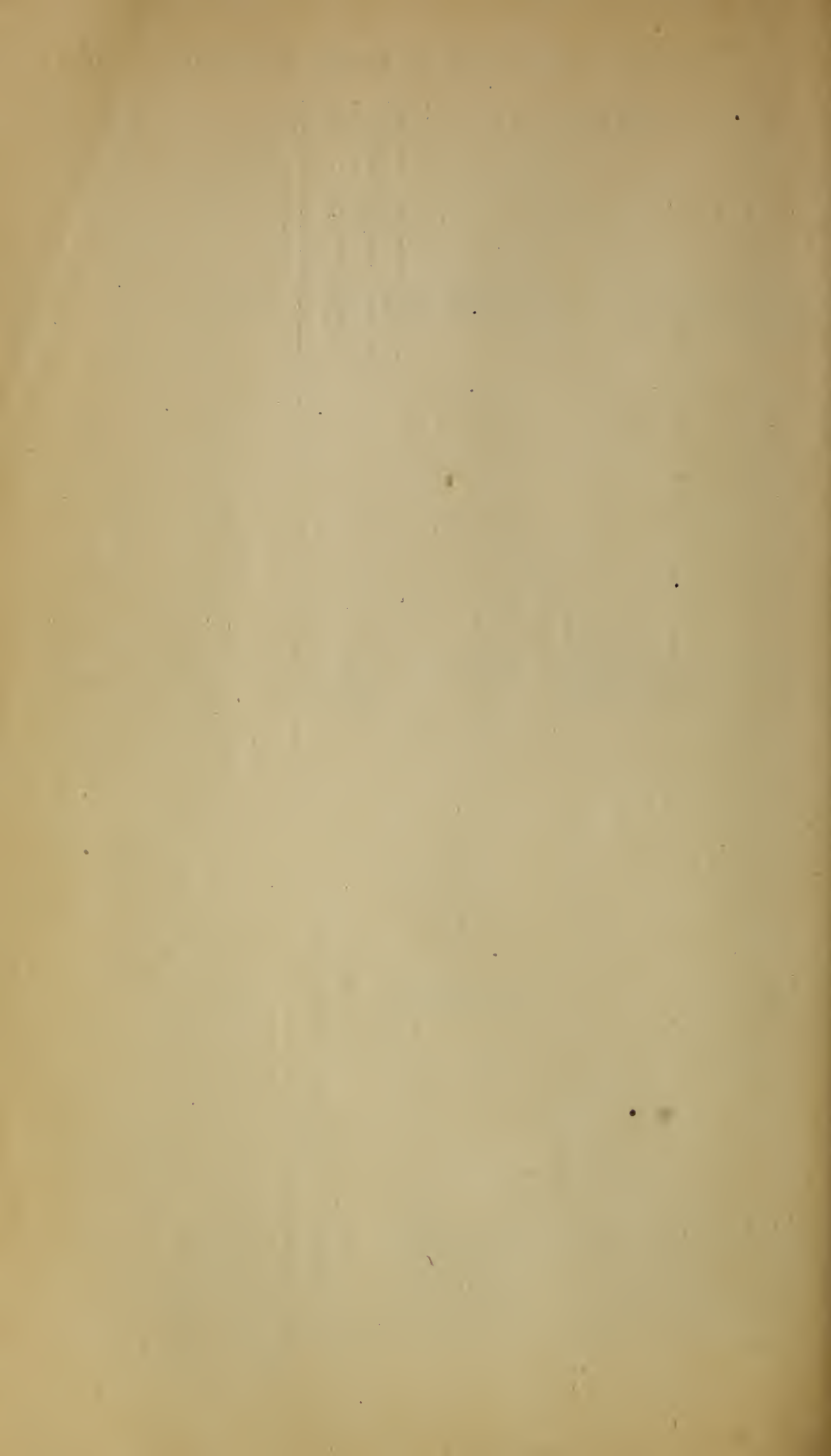


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BUREAU OF ANIMAL INDUSTRY.

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LETTER

FROM

THE COMMISSIONER OF AGRICULTURE,

TRANSMITTING

*Report for 1888 of the Bureau of Animal Industry.*

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JANUARY 9, 1889.—Referred to the Committee on Agriculture and ordered to be printed.

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U. S. DEPARTMENT OF AGRICULTURE,  
COMMISSIONER'S OFFICE,  
Washington, D. C., December 31, 1888.

SIR: I have the honor to transmit herewith a report of the operations of the Bureau of Animal Industry for the year 1888, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

NORMAN J. COLMAN,  
*Commissioner of Agriculture.*

The SPEAKER, HOUSE OF REPRESENTATIVES.





## REPORT OF THE OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR 1888.

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### PLEURO-PNEUMONIA.

The chief work of this Bureau for the year has been the continued effort to secure the eradication of the contagious pleuro-pneumonia or lung plague of cattle. Since my last report was made the operations have been extended to all the infected districts; and as the new territory covered embraces those sections of Long Island where the disease has longest existed, where large numbers of cattle are kept, and where, consequently, the contagion was most thoroughly disseminated, the work done and the expenditures have been correspondingly heavy.

The progress made during the year has been very encouraging. No cases of pleuro-pneumonia have been found west of the Allegheny Mountains since the date of my last report. A supervision of the infected district in Cook County, Ill., was maintained until April 1, 1888, and as no further cases of the plague developed, all quarantine restrictions were then removed. Investigations have been made of all outbreaks of cattle disease in the Western States which were reported to the Department with any of the characteristics of lung plague, and it is gratifying to be able to state that in no case has this disease been found in that section.

Much apprehension was expressed a year ago by those interested in this subject in regard to the danger of the plague spreading from the State of Pennsylvania. The Department had not been able to reach any satisfactory terms of co-operation with the State authorities, and exaggerated rumors of the existence of lung plague there were almost continually in circulation. Repeated efforts were made to secure co-operation, and I am glad to be able to state that these were finally successful. The only district in Pennsylvania where there was good reason to suspect the existence of pleuro-pneumonia was in the city of Philadelphia and its suburbs. All that district embraced within a radius of 8 miles from the city hall was placed in quarantine by a proclamation of the governor; the cattle were inspected, a numbered tag was placed in the ear of each one, all animals were recorded upon the books of the Bureau, none were allowed to be moved upon the highways without a permit, all incoming animals were inspected, and, in general, all the regulations were enforced which have been found necessary to secure the eradication of this malady in other places. The work there will be discontinued on December 15, by order of the governor. Some herds were found in the Philadelphia district affected with pleuro-pneumonia, though not as many as was anticipated. The details of this work will be found below.

While no new outbreaks of the disease have been discovered outside of the known infected States, with the single exception of one in Vir-

ginia, a few have been found in previously uninfected regions within those States. By far the most serious of these is one recently discovered and now in progress in Orange County, N. Y. It seems probable that the plague had existed there for more than a year, and had been concealed by interested parties. It will probably not be very difficult to exterminate the contagion from that section, though this expense was not anticipated and will be quite heavy. Already the number of diseased and exposed animals found is between four and five hundred, and it will doubtless be considerably increased. An effort is being made to trace the introduction of the contagion, and to learn by what means it occurred. It seems probable, however, that the affected animals were taken there before the numbering and registering of the cattle in the old infected districts was accomplished.

New infections are becoming less numerous as the disease is less prevalent in the infected centers, and there is good reason to believe that if the quarantine restrictions can be maintained a sufficient time they will cease entirely. Unfortunately, as the contagion becomes less prevalent, the necessity for these restrictions is not so apparent, and there is a more general disposition on the part of the people to disregard them—a disposition which is encouraged by the failure of local authorities to vigorously prosecute and convict offenders.

#### WORK IN NEW YORK.

At the time the last report on this subject was submitted a force was being organized to inspect, tag, and register all the cattle, and maintain quarantine restrictions in the old infected district of New York, that is, in the counties of Westchester, New York, Richmond, Kings, and Queens. The task was one of great magnitude, and has been beset with many unexpected difficulties. In the first test case that came before the courts the governor's proclamation was decided to be invalid, because he had not designated the infected district, but had left it to the Chief of the Bureau of Animal Industry to designate and advertise such districts as might be discovered. The court held that the governor could not delegate this authority.

It was also discovered by the officers of this Bureau that the State law under which the governor's proclamation was issued gave insufficient authority for the necessary regulations, since it did not apply to exposed herds. These facts were laid before the legislature, and although the session was drawing to a close, and it was difficult to obtain action on new subjects, this matter was deemed of such importance that it received favorable consideration, and an amendment was passed which removed the defects in the statutes. Following this, a new proclamation was issued by the governor, and from that time the regulations have been strictly enforced. In some districts it has been necessary to cause many arrests to be made before the people would respect the law, but since they have become convinced that a determined effort is being made to eradicate the disease there has been less occasion for harsh measures.

The progress made in extirpating pleuro-pneumonia from this long-infected district has been very marked. Two of the counties—Westchester and Richmond—have been entirely freed from the contagion. So long a period has elapsed since any cases were discovered in these counties that Governor Hill, on the recommendation of the Chief of the Bureau of Animal Industry, has recently issued the following order removing quarantine restrictions:



[Coat of arms.]

STATE OF NEW YORK, *Executive Chamber.*

Whereas it appears to my satisfaction that contagious pleuro-pneumonia or lung plague of cattle, no longer exists in the counties of Westchester and Richmond :

Therefore, so much of the governor's proclamation issued May 14, 1888, as relates to the said counties of Westchester and Richmond is hereby revoked and the quarantine established in said counties is removed.

Given at the Capitol, in the city of Albany, this 4th day of December, A.D. 1888.

[Seal of the State of New York.]

DAVID B. HILL.

By the Governor:

WILLIAM G. RICE,

*Private Secretary.*

The complete success of the work over the large territory embraced in these two counties within so short a time is very gratifying and demonstrates the correctness of the plan adopted.

In the city and county of New York the progress has also been very satisfactory. There are here but a very few herds in which the disease is known to exist, and these are being rapidly disposed of. By far the heaviest work in this county has been done, although it will be necessary, on account of the proportions of the trade and of its being a central market, to keep up a supervision until all parts of the State are free from the contagion.

The disease was found much more prevalent and more generally distributed in Kings and Queens Counties, on Long Island, than elsewhere. Here there has been a continual struggle during the whole year to hold it under control. Much progress has been made and the number of infected herds greatly reduced, but there is still a large amount of work before us.

There has been more disease found during the year than was anticipated at the time the preceding report was written. Partly for this reason and partly on account of the exhaustion of the appropriation for the year ending June 30, 1888, about six weeks before the end of the year, the results of the year's work have not quite reached our expectations. For nearly two months all active work ceased and the force was reduced to such an extent that only a mere supervision of the movement of cattle could be maintained. This unfortunate relaxation allowed the plague to develop and has increased the total amount of work to be accomplished to a marked degree. Since we now have the whole infected district in charge, the expenditures can be foreseen with sufficient exactness to prevent such an occurrence happening again, unless there should be new outbreaks of greater dimensions than have been discovered in the past.

A recently discovered outbreak is now in progress in Orange County, which is serious in its extent and will require several months for its complete suppression. Our investigations indicate that the contagion was taken from the city of New York before the quarantine regulations were established, and it has since been concealed by interested parties. The infected district is now believed to be marked out and under control, and there is no reason to doubt the early success of the measures which have been applied. This outbreak will make an unexpected increase of the expenditures, but probably will not delay the work in the old infected districts of the State.

From January 1 to November 30, 1888, there were inspected in New York 12,333 herds, containing 99,726 head of cattle; of this number 62,184 were re-examined by deputies in addition to the professional inspections, and 100,370 were tagged with numbers and registered upon the books of the Bureau.

There were 323 new herds found affected with pleuro-pneumonia during the year, and these herds contained 4,647 animals, 691 of which were pronounced diseased when the inspection was made. There were purchased for slaughter during the same time 1,576 affected cattle at a cost of \$40,976.53, an average of \$26 per head; also, 3,196 exposed cattle at a cost of \$72,410.50, an average of \$22.65 per head. The smaller cost of the exposed cattle as compared with the affected ones is due to the fact that the amount which the owner realized for the carcasses was deducted from the appraised value, the Department paying the balance.

It has been found necessary to disinfect 1,339 stables, stock-yards, or other premises during the year, and also to make *post-mortem* examinations upon the carcasses of 15,538 bovine animals, of which 2,287 were found diseased with pleuro-pneumonia.

The total expenses in New York from January 1 to November 30, 1888, have been \$250,779.47, of which \$113,387.03 was paid for cattle purchased for slaughter as either diseased or exposed. The remainder constitutes the expense for disinfection, inspection, tagging, registering, supervising the movement of cattle, *post-mortem* examinations, and all the various expenses incident to a work of this character.

#### WORK IN NEW JERSEY.

In this State the work of the Bureau is not recognized by legislative enactment as clearly as is desirable. There has been constant co-operation with the State board of health, through its secretary, Dr. E. M. Hunt, and the inspectors have been given commissions as agents of this board. In this way it has been possible to avail ourselves of the local statutes, and to accomplish what otherwise would have been impossible.

At the time my previous report was written a force was being organized and details of regulations were being perfected for quarantining Hudson County and maintaining complete control of the movement of cattle in that county, and particularly in Jersey City. This county, owing to its proximity to New York, and the fact that its milch cows were to a large degree purchased in the New York market, had long been thoroughly infected.

The enforcement of the regulations in New Jersey, as in other States, has been followed by very gratifying results. There have been a number of outbreaks in the interior, but these in all cases have been promptly suppressed. By far the greater part of the work has been performed in Hudson County, which is now, so far as known, the only infected center.

From January 1 to November 30, 1888, there were inspected in New Jersey 8,018 herds, containing 72,095 head of cattle; of this number 20,413 were re-examined by deputies in addition to the professional inspections, and 13,318 were tagged with numbers and registered upon the books of the Bureau.

There were 210 new herds found infected with pleuro-pneumonia during the year, and these herds contained 2,508 animals, 581 of which were pronounced diseased when the inspection was made. There were purchased for slaughter during the same time 502 affected cattle at a cost of \$12,325.50, an average of \$24.55 per head; also 945 exposed cattle at a cost of \$25,512.50, an average of \$27.10. The higher average cost of exposed cattle in New Jersey as compared with New York is



due to the greater difficulty of disposing of the carcasses of such animals, and the smaller amounts which, for that reason, were realized.

It has been found necessary to disinfect 275 stables, stock-yards, and other premises, and also to make *post-mortem* examinations upon the carcasses of 6,846 bovine animals, of which 514 were found diseased with pleuro-pneumonia.

The total expenses in New Jersey from January 1 to November 30, 1888, have been \$85,111.60, of which \$37,838 was paid for cattle purchased for slaughter, because they were either diseased or had been exposed.

New Jersey is believed to be nearly free from the disease, as but few new herds have been reported during the last sixty days. A large distillery herd is now being slaughtered, and this, with two small diseased herds, constitutes all the infected premises now known in the State. It will, however, be necessary to maintain a force in New Jersey until the plague is eradicated from all parts of New York, or the contagion will be again introduced by the movement of cattle. It is also possible that the disease may be found in the dairies about Newark, but our investigations up to this time have not revealed it.

#### WORK IN PENNSYLVANIA.

The governor of Pennsylvania never formally accepted the rules and regulations prepared by me in accordance with the act of Congress establishing the Bureau. After much correspondence, however, with the special agent of the governor, who has charge of this branch of the service in that State, an agreement adopting a modification of these rules was decided upon. The chief modification of the rules was that no herd should be slaughtered as affected with pleuro-pneumonia until it had been examined and the diagnosis confirmed by the State veterinarian, who should be paid for this service from the appropriation of the Bureau. It was further agreed that the governor would issue a proclamation placing all cattle in quarantine which were on any premises situated within 8 miles of the City Hall of Philadelphia.

The proclamation was issued to take effect upon April 9, 1888, and at that time a force of men employed by the Bureau began work inspecting, tagging, and registering all cattle in the specified district. *Post-mortem* examinations were made on all carcasses of cattle which had died and had been taken to rendering works, and of all cows from this district which were slaughtered for food. With these regulations in force it became possible to locate the herds affected with pleuro-pneumonia in the vicinity of Philadelphia and to eradicate the disease. The relations between the State authorities and the officers of the Bureau have been harmonious, and all differences of opinion in regard to diagnosis have been settled by the slaughter and *post-mortem* examination of the affected animal.

From January 1 to November 30, 1888, there were inspected in Pennsylvania 5,291 herds, containing 72,565 head of cattle. Of this number 18,763 were re-examined by deputies in addition to the professional inspections, and 51,820 were tagged with numbers and registered upon the books of the Bureau.

There were 23 herds found affected with pleuro-pneumonia, and these herds contained 260 animals, 49 of which were pronounced diseased when the inspections were made. There were purchased for slaughter 63 affected cattle, at a cost of \$1,243.50, an average of \$19.73 per head;

also 131 exposed cattle at a cost of \$3,167.50, an average of \$24.18 per head.

It was considered advisable to disinfect 117 stables, stock-yards, or other premises; and 13,157 *post-mortem* examinations were made upon the carcasses of bovine animals, of which 72 were found diseased with pleuro-pneumonia.

The total expenses in Pennsylvania from January 1 to November 30, 1888, have been \$37,978.23, of which \$4,411 was paid for cattle purchased for slaughter as either diseased or exposed. The remainder constitutes the expense for disinfection, inspection, tagging, registering, making *post-mortem* examinations, and maintaining that close supervision of all the cattle in the infected district which is absolutely essential for the complete success of the effort for the total eradication of pleuro-pneumonia.

It has been decided that the governor should issue a proclamation removing the quarantine restrictions at Philadelphia, to take effect December 15, 1888, and at that time the greater part of the force stationed there by this Department will be withdrawn. There is every reason to believe that Pennsylvania is now entirely free from this contagion, but it is deemed advisable to maintain a supervision of the cattle in transit through Philadelphia, and also to watch the rendering works and slaughter-houses for a few months, in order that any reappearance of it may be promptly detected.

#### WORK IN MARYLAND.

At the time the last report was written the work was just being re-organized, and those stringent regulations governing the movement of cattle, which have been mentioned in connection with the work elsewhere, had just been applied to the infected district in Baltimore and vicinity. A new law was passed by the Maryland legislature at its last session recognizing the work of the Bureau in that State and providing for co-operation. Although there has been considerable opposition on the part of cow dealers, and in some cases of dairymen, and some violations of the regulations, the supervision has been maintained in an efficient manner and has resulted very satisfactorily.

It has been found difficult and often impossible to secure the indictment and vigorous prosecution of parties violating the laws and regulations, apparently because the sympathy of local officers was with the offenders of their district rather than with those who were trying to eradicate this disease. Fortunately the governor and attorney-general of the State are interested in the success of the work and realize its importance, and with their assistance convictions have recently been obtained which it is believed will have a wholesome effect in preventing further violations, and thus make it unnecessary to continue the prosecutions.

There have been two outbreaks of pleuro-pneumonia in other counties, which were traced to cattle taken there from Baltimore, but in each case the extermination of the disease was promptly secured. At present all herds in the State known to be diseased have been slaughtered, and as but very few new cases have developed during the last sixty days, it is believed that the plague is practically eradicated. It will be necessary to continue the supervision for a number of months after the last case has been disposed of before we can conclude that the last traces of the contagion have been destroyed. It so frequently happens that in some obscure country place a person will conceal the disease for



months before it is discovered that a long period of watching is required to insure absolute safety.

From January 1 to November 30, 1888, there were inspected in Maryland 9,809 herds, containing 60,312 head of cattle. Of this number 5,055 were re-examined by deputies, in addition to the professional inspections, and 17,749 were tagged with numbers and registered upon the books of the Bureau.

There were 74 new herds found affected with pleuro-pneumonia during the year, and these herds contained 1,129 animals, 124 of which were pronounced diseased when the inspection was made. There were purchased for slaughter during the same time 459 affected cattle, at a cost of \$12,330.13, an average of \$26.87 per head; also 1,036 exposed cattle at a cost of \$27,087.81, an average of \$26.15 per head.

The high average cost of affected cattle is due to the fact that many of them were but slightly affected, or had so far recovered from the disease that they were as useful to the owner for the production of milk as before the attack. It is also to be remembered that the owner received for the exposed but still healthy animals the sum which was paid by the butcher for the carcasses in addition to the sum given above as paid by the Bureau.

It has been found necessary to disinfect 145 stables, stock-yards, or other premises during the year, and also to make *post-mortem* examinations upon the carcasses of 5,820 bovine animals, of which 507 were found diseased with pleuro-pneumonia.

The total expenses in Maryland from January 1 to November 30, 1888, have been \$99,627.83, of which \$39,417.94 was paid for cattle purchased for slaughter as either diseased or exposed.

#### WORK IN VIRGINIA.

Mention was made in the last report of the probable existence of pleuro-pneumonia in Virginia, but at the time of writing the investigation was not completed. The herd was located at Hampton, and proved to be affected with this disease. The contagion only spread to a very few animals outside of this herd, which had come in contact with it. The infected animals were at once isolated and slaughtered as rapidly as possible. No cases of disease have appeared there during the last six months, and we may therefore conclude that it has been eradicated.

The total number of affected cattle purchased in Virginia was 45, at a cost of \$739, an average of \$16.42 per head. The number of exposed cattle purchased was 53, at a cost of \$641, an average of \$12.10 per head. The total expense caused by this outbreak was \$2,142.73, of which \$1,380 was paid for diseased and exposed cattle.

#### WORK IN ILLINOIS.

While pleuro-pneumonia was practically eradicated from Illinois at the time the last report was written, there was still a number of animals in the infected district which it was deemed prudent to slaughter. It was also considered necessary for safety that the quarantine restrictions should be maintained until April 1, 1888.

There were slaughtered after January 1, 1888, 4 affected cattle at a cost of \$81.27, an average of \$20.32 per head. There were also slaughtered 129 exposed animals at a cost of \$2,408.43, an average of \$18.67 per head. The total expenses in Illinois from January 1 to November 30, 1888, were \$5,946.69, of which \$2,489.70 was paid for diseased and exposed cattle.

The prompt eradication of pleuro-pneumonia from Chicago and vicinity is worthy of more than a simple narration of the fact. It may well be

considered one of the most important results ever accomplished by the Department of Agriculture. History gives few, if any, cases where the dairies of a city of the size of Chicago have once been infected with pleuro-pneumonia, and where the disease has been eradicated, without years of constant work and the expenditure of vast sums of money. Paris was infected more than one hundred years ago, and, in spite of the large number of veterinarians in that district and of the stringent laws and regulations, the disease still exists and its ravages continue from year to year apparently undiminished.

A continued existence of the disease at Chicago would certainly have led to the infection of the whole country within a few years, and the ruin of a profitable cattle industry in the United States. Already the local restrictions placed by the authorities of many States upon the introduction of cattle from Cook County, and in many cases from the whole State of Illinois, had become extremely embarrassing to shippers and burdensome to the whole stock interest of the West. How these restrictions would have been increased by the spread of the plague to other States, and how we should have suffered from a leading article of food impaired in quality and diminished in quantity can be easily imagined. By a fortunate combination of circumstances it was possible to check the extension of the plague at once and to extirpate it within a few months, but the risk of failure and the danger to the country have never been appreciated except by a few who were acquainted with all the facts.

With the publication of the notice giving information of the eradication of the disease and removing the quarantine restrictions which had been imposed by this Department, confidence was restored to the stock-owners of the country, the irksome local restrictions were one by one removed, and soon the freedom of cattle commerce was again established.

No information has been obtained during the year which would lead to the conclusion that the contagion of pleuro-pneumonia exists in any part of the country west of the Alleghany Mountains. There is, consequently, good reason to believe that it is now confined to the Atlantic sea-board, and, with every month that elapses without hearing from it elsewhere, this conclusion is strengthened. With the quarantine restrictions now in force in the infected districts, there is but little danger of the plague again finding its way to the West, and with the continual repression and diminution of it at all points, this danger, small as it is, is constantly becoming less. If this work is continued for another year it seems probable that the contagion will have entirely disappeared from the United States.

#### THE WORK AS A WHOLE

It will be seen from the above that there has been constant and satisfactory progress during the year at all points where the disease exists. The work has been heavy and expensive, and the expenditures for the eleven months covered by this report have been greater than the appropriation for any fiscal year. It was only by so planning that the most costly work would come in the latter part of one fiscal year and at the beginning of another that the operations could be sustained in an efficient manner without an increased appropriation. Even with this plan in mind, it was necessary to suspend all slaughtering of animals and much of the other work for over six weeks, in May and June, in order to avoid a deficiency. Although the total expenditures of the first five months of the present fiscal year for the entire work of the Bureau have averaged \$46,178.68 per month, or at the rate of \$554,144.16 per annum, it appears certain that the decrease which has



been made, and which can be carried still further as the work proceeds, will bring the total for the year within the sum appropriated, and this without the necessity of interrupting the operations.

Including all the districts in which pleuro-pneumonia has existed, there were inspected, from January 1 to November 30, 1888, a total of 35,604 herds of cattle, containing 305,280 animals. Of this number 106,415 were re-examined by the non-professional assistants in addition to the veterinary inspections, and 183,257 were tagged with numbers and registered upon the books of the Bureau.

There were 631 new herds found affected with pleuro-pneumonia during the year, and these herds contained 8,643 animals, 1,446 of which were pronounced diseased when the inspections were made. There were purchased for slaughter during the same time 2,649 affected cattle at a cost of \$67,695.93, an average of \$25.55 per head; also, 5,490 exposed cattle at a cost of \$131,227.74, an average of \$23.90 per head.

It has been found necessary to disinfect 1,879 stables, stock-yards, or other premises, and also to make *post-mortem* examinations upon the carcasses of 43,176 bovine animals, of which 3,426 were found diseased with pleuro-pneumonia.

The total expenses of the pleuro-pneumonia work from January 1 to November 30, 1888, have been \$481,586.55, of which \$198,923.67 was paid for cattle purchased for slaughter as either diseased or exposed. The remainder constitutes the expense for inspection, disinfection, tagging, registering, and supervising the movement of cattle, of post-mortem examinations, and of all the various expenses necessary to insure the prompt discovery of this plague when it appears in any herd, and to prevent the further extension of the infection.

The following table shows a résumé of the pleuro-pneumonia work from January 1 to November 30, 1888, as given in detail above:

	New York.	New Jersey.	Pennsylvania.	Maryland.	Virginia.	Illinois.	Total.
Herds inspected.....	12, 333	8, 018	5, 291	9, 809	13	140	35, 604
Cattle inspected.....	99, 726	72, 095	72, 565	60, 312	297	285	305, 280
Cattle re-examined by deputies.....	62, 184	20, 413	18, 763	5, 055	-----	-----	106, 415
Diseased cattle found by inspection.....	691	581	49	124	1	-----	1, 446
Post-mortem examinations....	15, 538	6, 846	13, 157	5, 820	103	1, 712	43, 176
Diseased cattle found by post-mortem examinations.....	2, 287	514	72	507	46	-----	3, 426
Cattle tagged.....	100, 370	13, 318	51, 820	17, 749	-----	-----	183, 257
New herds found affected.....	323	210	23	74	1	-----	631
Animals in affected herds.....	4, 647	2, 508	260	1, 189	39	-----	8, 643
Diseased cattle purchased.....	1, 576	502	63	459	45	4	2, 649
Exposed cattle purchased.....	3, 196	945	131	1, 036	53	129	5, 490
Premises disinfected.....	1, 339	275	117	145	2	1	1, 879

A résumé of the expenditures in the pleuro-pneumonia work from January 1 to November 30, 1888, is made in the table which follows:

Item.	New York.	New Jersey.	Pennsylvania.	Maryland.	Virginia.	Illinois.	Total.
Salaries.....	\$109, 694. 44	\$36, 239. 05	\$27, 886. 73	\$46, 454. 17	\$601. 56	\$3, 062. 60	\$223, 938. 55
Traveling expenses....	17, 983. 97	8, 327. 19	3, 486. 73	11, 117. 92	141. 62	220. 30	41, 277. 73
Miscellaneous expenses.	9, 714. 03	2, 707. 36	2, 193. 77	2, 637. 80	19. 55	174. 09	17, 446. 60
Affected cattle.....	40, 976. 53	12, 325. 50	1, 243. 50	12, 330. 13	739. 00	81. 27	67, 695. 93
Exposed cattle.....	72, 410. 50	25, 512. 50	3, 167. 50	27, 087. 81	641. 00	2, 408. 43	131, 227. 74
Average paid for affected cattle.....	26. 00	24. 55	19. 73	26. 87	16. 42	20. 32	25. 55
Average paid for exposed cattle.....	22. 65	27. 10	24. 10	26. 15	12. 10	18. 67	23. 90

We have now entered upon the most critical period in the work for the eradication of this disease. In all of the infected States the animals known to have been diseased or exposed have been slaughtered with few exceptions, but in Maryland, New Jersey, and New York the plague continues to develop at greater or less intervals, and consequently newly-infected herds are discovered. In Maryland and New Jersey, where the work has been longest in progress, these new infections are becoming less and less frequent. Even in the worst infected districts on Long Island the prevalence of the malady has been greatly diminished. With this decrease in the amount of disease the reason for the stringent regulations becomes less apparent to the cattle owners, to prosecuting officers, and to citizens generally. It is, therefore, much more difficult to enforce the laws and the regulations made under them, flagrant violations become more frequent, and in some cases efforts are made, usually by cow dealers, to propagate the disease.

These facts show the importance of maintaining the quarantine restrictions until the last vestige of the contagion has disappeared. And above all should we be able to preserve the interstate channels of commerce free from infection. The large sum of money expended and the encouraging progress of the work, with the rapid approach of the time when the country could be declared free from this plague, emphasize the necessity of adopting every precaution to secure early and complete success. But how is this to be accomplished? Evidently by enforcing every regulation against the spread of the disease until the contagion has entirely disappeared.

I have already mentioned the growing disposition on the part of State officials to relax their regulations, to allow violations to go unpunished, to remove restrictions before safety has been assured. This disposition is alarming, because just as the whole pleuro-pneumonia infection in this country arose from a single case of the disease, so now the escape of one affected animal may undo all that has been accomplished by two years of indefatigable labor and by an expenditure of nearly a million dollars.

To guard against this danger I would respectfully and most earnestly recommend amendments to the act establishing the Bureau of Animal Industry, imposing a penalty upon any person who removes, or causes to be removed, any bovine animal from a section declared by the Commissioner of Agriculture to be an infected district to any other State or Territory, or who transports, or causes to be transported, any such animal upon any railroad or vessel which forms part of a transportation line from one State or Territory into another. At present there is no penalty except for those who knowingly ship a diseased animal from one State to another. Experience shows that it is impossible to prove that a person knows an animal to be affected. It is also more dangerous to ship exposed animals than affected ones, because the latter are easily detected, as a rule, while the former do not show the symptoms for two or three months, and during this time may scatter the contagion among many animals and herds. It is equally important to prevent the shipment of diseased and exposed animals within a State as upon lines of railroad and upon steam-boats which form a portion of our great interstate commercial channels.

In this connection I would, therefore, submit the following draught of amendments which were prepared for the use of the Committees on Agriculture of the Senate and House of Representatives at the last session of Congress, and which appear to me suitable to enable this Department to successfully cope with the plague and to exterminate it



without the delays and dangerous extensions which are unavoidable under the existing statute.

A BILL to amend an act entitled "An act for the establishment of a Bureau of Animal Industry, to prevent the exportation of diseased cattle, and to provide means for the suppression and extirpation of pleuro-pneumonia and other contagious diseases among domestic animals, approved May twenty-nine, eighteen hundred and eighty-four, and for other purposes.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That for the purpose of better promoting the exportation of cattle and products of live stock from the United States, and for the purpose of increasing, promoting, and facilitating the commerce in cattle and their products among the several States in this Union, and for the purpose of removing the obstructions to such commerce with foreign nations and among the States, now occasioned by the existence of contagious, infectious, or communicable diseases among neat cattle and other live stock, and especially contagious pleuro-pneumonia, the act establishing a Bureau of Animal Industry, approved May twenty-nine, eighteen hundred and eighty four, be, and the same is hereby, amended as follows:

Repeal section one, and insert in lieu thereof the following:

"That the Commissioner of Agriculture shall organize in his Department a Bureau of Animal Industry, and shall appoint a chief thereof, who shall be a competent veterinary surgeon, whose salary shall be four thousand dollars per annum, and whose duty it shall be to investigate and report upon the condition of domestic animals of the United States, their protection and use, and also inquire into and report the causes of contagious, infectious, and communicable diseases among them, and the means for the prevention and cure of the same, and to collect such information on these subjects as shall be valuable to the agricultural and commercial interests of the country, and publish the same in special reports whenever he deems the same advisable, and also to enforce such measures as may be adopted by the Commissioner of Agriculture by rules and regulations to be prepared as hereinafter provided for the suppression and extirpation of contagious, infectious, or communicable diseases, and the Commissioner of Agriculture is hereby authorized to employ a force sufficient for these purposes."

Repeal section three of said act, and insert in lieu thereof the following:

"SEC. 3. That it shall be the duty of the Commissioner of Agriculture, and he is hereby authorized and required, to prepare such rules and regulations as he may deem necessary for the speedy and effectual suppression and extirpation of contagious, infectious, and communicable diseases of domestic animals, and especially pleuro-pneumonia; which said rules shall provide for the method and manner of investigations to determine the existence of said contagious diseases in any part of the United States; for ascertaining, entering, and searching places where such diseased animals are supposed to exist; for ascertaining what animals are so diseased, or have been exposed to such contagious diseases; for establishing and maintaining quarantines of animals, places, premises, or localities in which such diseases, or any of them, may exist; for appraising, condemning, and slaughtering animals affected with or that have been exposed to any contagious disease, and paying for said animals, and for disinfecting premises in which contagion is suspected to exist. The Commissioner of Agriculture shall certify such rules and regulations to the executive authority of each State and Territory, and invite said authority to co-operate in the execution and enforcement of this act. Whenever the rules and regulations prepared by the Commissioner of Agriculture shall be accepted by the executive authority of any State or Territory in which pleuro-pneumonia or other contagious, infectious, or communicable disease is declared to exist, or whenever the governor of a State or Territory, or other properly-constituted authorities, signify their readiness to co-operate for the extinction of any contagious, infectious, or communicable disease in conformity with the provisions of this act, or whenever said disease can be eradicated by the purchase of the diseased and exposed animals with the consent of the owner, the Commissioner of Agriculture is hereby authorized to expend so much of the money appropriated by this act as may be necessary to suppress and extirpate said diseases or any of them in the method and manner provided by the said rules and regulations: *Provided*, That whenever a State or Territory, in any district of which a contagious or infectious disease exists which the Commissioner of Agriculture has declared to be dangerous to the animal industries of the nation, fails to co-operate for the extirpation of such diseases, as provided by this act, or if from any cause it is impossible to enforce the rules and regulations for the suppression of pleuro-pneumonia in any State or Territory and the Commissioner of Agriculture believes there is danger of such disease spreading to other States or Territories, the Commissioner of Agriculture with the approval of the President of the United States is hereby authorized to declare in quarantine the said State or Territory, and to regulate or prohibit the transportation of cattle out of or into said State or Territory."

Repeal section six of said act, and insert in lieu thereof the following:

"SEC. 6. That no railroad company within the United States or the owners or masters of any steam or sailing or other vessel or boat, shall receive for transportation or

transport any live stock of the kind diseased from any district or State declared in quarantine by the Commissioner of Agriculture into any other State or Territory or the District of Columbia; nor shall any person, company or corporation deliver for such transportation to any railroad company, or master or owner of any boat or vessel, any live stock of the kind diseased from said quarantined district; nor shall any person, company, or corporation drive on foot or transport in private conveyance any live stock of the kind diseased from any of said quarantined districts into any State or Territory or District of Columbia: *Provided*, That animals may be transported out of said quarantined districts under such conditions as may be provided by the rules and regulations prepared by the Commissioner of Agriculture in accordance with the provisions of this act."

Repeal section seven of this act, and insert in lieu thereof the following:

"SEC. 7. That it shall be the duty of the Commissioner of Agriculture to give notice by publication in such newspapers as he may select of the existence of any contagious disease in any State or district of a State and to declare in said notice that said State or district in said State is placed in quarantine; and he shall likewise notify in writing the president of any railroad, steamboat, or other transportation company doing business in or through such quarantined district of the declaring of said quarantine; and any person or persons operating any such railroads, or master or owner of any boat or vessel, or owner or custodian of or person having control over such cattle or other live stock of the kind diseased, within such quarantined State or district, who shall violate the provisions of section six of this act shall be guilty of a misdemeanor, and, upon conviction, shall be punished by a fine of not less than one hundred dollars nor more than five thousand dollars, or by imprisonment for not more than one year, or by both such fine and imprisonment."

Repeal section nine of said act, and insert in lieu thereof the following:

"SEC. 9. That it shall be the duty of the several United States district attorneys to prosecute all violations of this act which shall be brought to their notice or knowledge by any person making the complaints under oath; and the same shall be heard before any district or circuit court of the United States or Territorial court holden within the district in which the violation of this act has been committed. That it shall likewise be the duty of the several United States district attorneys to defend all action or actions at law brought against the officers or employés of the Bureau of Animal Industry or any of them in any State or Federal court for acts done by them in the performance of their official duties as such officers or employés."

Repeal section ten of said act, and insert in lieu thereof the following:

"SEC. 10. That whenever in the judgment of the Commissioner of Agriculture it is necessary to prevent the introduction of a contagious, infectious or communicable disease into any State or Territory from any other State or Territory or foreign country he may adopt measures of quarantine for cattle entering into such States or Territories and shall give notice by publication of said quarantine and conditions of the same and any person or persons violating the terms of said quarantine shall, upon conviction, be deemed guilty of a misdemeanor, and be punished by a fine of not less than fifty dollars or more than five hundred dollars, or by imprisonment for not more than one hundred days or by both fine and imprisonment at the discretion of the court."

It is worthy of remark that there has been no trouble in enforcing the rules and regulations in country districts where the population is made up of farmers. The native American farmer has always assisted in stamping out the disease, and has been scrupulously careful to carry out to the letter any measures that he was called upon to observe. The result is that country outbreaks are soon under control and quickly eradicated. Not so, however, with city outbreaks. Here we come in contact with an entirely different element of our population. The city cow owner, as a rule, is in debt to the dealer from whom he buys his cows; he is poor, ignorant, often unable to speak our language, unscrupulous as to the health of his animals or the character of the milk he sells, and not infrequently appears to consider it his duty to violate the regulations or the statutes rather than to observe them.

In farming districts, therefore, it matters little whether the laws are perfect or imperfect, or whether there are or are not penalties for their violation, it is seldom that they are appealed to, and the work of eradication goes smoothly on until it is completed. In city districts the conditions are exactly opposite. When the inspectors come upon the premises they are met as enemies, too often they are threatened with



violence; diseased cattle are surreptitiously sold by the owners and taken into other herds by dealers whose sales are increased by the misfortunes of their customers. With such people harsh measures are necessary or the work could never be completed. The laws must cover all acts which would tend to spread the disease, and there must be penalties applicable to all violations. Without these the time and expense required for complete success must be indefinitely increased.

The following expressions of opinion as to the progress of the work of extirpating contagious pleuro-pneumonia by the Bureau of Animal Industry have recently been received from the several State authorities co-operating with the Bureau in this work:

[Resolution passed by the board of supervisors of Westchester County, on December 24, 1888.]

Whereas during the autumn of the year 1887 the virulent and fatal disease of contagious pleuro-pneumonia or lung plague was discovered to exist among neat cattle in the county of Westchester to an extent whereby it became dangerous to the public health and a serious menace to the vast cattle and dairy interests of the country; and Whereas the said infection was found to be on the increase, and the farmers of the county were threatened with the disastrous consequences of its spread; and

Whereas the Bureau of Animal Industry of the United States, a branch of the Department of Agriculture, vested with authority conferred upon them by the laws of the United States and the various acts of the legislature of this State and the proclamation of the governor of this State, issued in pursuance of said acts, introduced and put in operation its system, designed for the suppression and extirpation of said contagious disease; and

Whereas this system has been in operation in this county since the month of November, 1887, and a rigid quarantine against infected localities maintained, infected stables properly disinfected, and diseased animals destroyed, due compensation for the loss of such animals having in all cases been made to the owners of the same; and

Whereas, as a result of the said efforts of the Bureau of Animal Industry, this county is now entirely free from pleuro-pneumonia or lung-plague, and the farming and dairy interests of the county have been relieved from the dread effects of the scourge, so much so that the executive of this State has seen fit to declare the county free from infection and to raise the quarantine thereon:

*Resolved*, That we hereby express our appreciation of the efforts of the Bureau of Animal Industry of the United States in behalf of our farmers and cattle owners, which efforts have resulted so beneficially as above detailed, and averted what threatened to become a serious calamity, and we hereby testify our satisfaction of the working of the system employed by them, whereby the disease has been eradicated and the owners of cattle compensated for pecuniary loss consequent upon the slaughter of their animals.

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[Letter from the State board of health of New York.]

ALBANY, December 28, 1888.

DEAR SIR: I have received from Dr. W. S. Devoe a statement of the work done by your Bureau for the suppression of pleuro-pneumonia in the counties of New York, Kings, Queens, Suffolk, and other parts of the State. It is certainly a very gratifying showing and augurs well for the future. The extirpation of pleuro-pneumonia is as much to be desired as the stamping out of small-pox, the extinction of yellow fever, or the annihilation of cholera. As executive officer of the State board of health of New York, I have frequent opportunity of seeing the workings of your Bureau in protecting the meat and milk supplies on the market from unwholesome additions.

The care with which the inspections are made by your officers and *post-mortems* held on animals slaughtered so as to prevent the selling for food of the carcasses, is an aid to health authorities of great value. Local health officers have been directed to co-operate with the officials of your Bureau in every possible way in furthering the interests of the public health.

It is to be hoped that Congress will give liberal appropriations for future work that the operations of the Bureau may be enlarged. The State board of health of New York will gladly render all aid in its power.

I remain, sir, very respectfully, your obedient servant,

LEWIS BALCH, *Secretary*.

D. E. SALMON, M. D.,

*Chief U. S. Bureau of Animal Industry, Washington, D. C.*

[Letter from Dr. Cyrus Edson.]

HEALTH DEPARTMENT, DIVISION OF CONTAGIOUS DISEASES,  
New York, December 28, 1888.

DEAR SIR: I desire to express to you my appreciation of the work performed in this city by the Bureau of Animal Industry for the suppression of pleuro-pneumonia among cattle. The system employed by the Bureau is to my mind admirable and effective. Indeed, as a commendation of your efforts I can but point to the results you have already accomplished. Whereas this fatal contagion was a year ago prevalent among the cattle within the city limits, at present I believe it has almost entirely disappeared, which result I consider to be due entirely to the operations of your Bureau.

It is needless for me to say that your work has had a direct and important bearing upon the prevention of the sale of diseased meat and impure milk to the inhabitants of this city, and that therefore you have materially aided the health authorities of this city in carrying out the laws against this traffic, so injurious to the public health.

It gives me great pleasure to express to you the satisfaction with which I regard the result of the efforts of your Bureau, for I consider that the gratitude of this whole community is due to the Department of Agriculture of the United States for the work they have so earnestly prosecuted and practically accomplished.

It is unnecessary to again inform you that you have our earnest co-operation in your good work.

I remain, yours, faithfully,

CYRUS EDSON

Dr. WM. S. DEVOE,  
Chief Inspector U. S. Bureau of Animal Industry,  
1512 Broadway, New York.

[Letter from the Live-Stock Sanitary Board of the State of Maryland.]

DECEMBER 11, 1888.

SIR: Yours of the 30th ultimo asking for an expression of opinion from our board as to the "progress that has been made in extirpating pleuro-pneumonia in our State, and of the present condition of the work" duly received.

The disease, introduced in our State about 1863, had become strongly intrenched in our city dairies, where much swill is fed, and where the conditions for its propagation are otherwise favorable, and for some time it seemed that but little progress was being made in the work of eradication; it would re-appear in premises where total slaughter had been made, and (as we thought) the premises had been thoroughly disinfected. But since the increase in the force, made in the early spring of this year, we think the "progress" has been great and the chances of ultimate and early total eradication to be flattering.

We believe the system adopted here, that of restricting the movement of cattle in the infected districts, to be a good one, and that but for some slight local opposition and the apathy or indifference of the law officers of the State, whereby our quarantine rules and regulations have not been enforced with the promptness and certainty necessary to secure prompt obedience, our progress would have been greater.

We believe that the continuance of the work here for a short time longer will result in the total eradication of the disease from this State, and must express our appreciation of the zeal with which the Bureau officers have labored here in the arduous and sometimes disagreeable duties they have had to perform.

Respectfully,

T. ALEX. SETH, *Secretary.*

Dr. D. E. SALMON,  
Chief of Bureau of Animal Industry.

[Extract from report of Thomas J. Edge, special agent of the governor of the State of Pennsylvania.]

Under this proclamation and the above agreement (governor's proclamation of quarantine and agreement with U. S. Bureau of Animal Industry) the work of co-operation was commenced April 9, and has been continued without interruption or impediment. Competent veterinary surgeons (appointed by the Commissioner of Agriculture) were commissioned by Governor Beaver, and they have examined, registered, and tagged all stock within the district specified in the quarantine proclamation. All cases of disease have been examined and recorded and all herds found infected have been purchased, condemned, and slaughtered, and the full appraised value



promptly paid by the Bureau of Animal Industry, and the work thus far (November 1) has been satisfactory to all parties, the governor's agent has received daily reports of all work done and of all animals examined, registered, and tagged, and of all *post mortems* and cases of disease, and it may now be safely asserted that there are no cases of contagious pleuro-pneumonia within the quarantined limits. By the previous work of the State officers it had been before eradicated from the balance of the State, and it is now believed that the State is free from the disease. Inasmuch as other centers which formerly furnished the infection are under the charge of National and State officers, and the same system of registry and examination in force, it is believed that our chances of re-infection have been reduced to a minimum.

#### GLANDERS.

In addition to the order of the Commissioners of the District of Columbia referred to in my previous report, by which the Chief of the Bureau of Animal Industry was made District veterinarian for the purpose of discovering and eradicating pleuro-pneumonia, a subsequent order has been issued which gives him authority to investigate as to the existence of glanders and to kill affected animals without compensation to the owner. The investigations so far made show the prevalence of this malady to a considerable extent among the horses in the District. From here affected animals have been frequently taken into Maryland and Virginia, scattering the disease and causing severe losses in those States. The presence of such a pest, dangerous not only to the equine race but equally fatal to mankind, calls for energetic measures of suppression. To this end prompt action has been taken whenever the disease has been discovered, and affected animals have been killed as soon as possible after a satisfactory diagnosis was reached. At the same time great care has been exercised that no animals should be condemned unless they presented the pathognomonic evidences of the affection. When practicable a *post-mortem* examination is always made to confirm the *ante-mortem* diagnosis. Below is a statement by months of the number of horses killed as affected with glanders:

*Number of horses killed in the District of Columbia because affected with glanders.*

July .....	1	November .....	1
August .....	0	December (first week) .....	9
September .....	2		
October .....	10	Total .....	23

#### THE INVESTIGATIONS OF SWINE DISEASES.

The investigations of swine diseases have, during the last four years, been remarkably successful in their results. The unexpected conclusion has been reached that there are two wide-spread epizootic diseases of swine which have heretofore been classed together as hog cholera. These are now clearly defined by the scientists of the Bureau of Animal Industry, one being described under the name of hog cholera, the other under that of swine plague. The germ in each case has been isolated and studied, and the characteristics, habits of life, and conditions of existence of these micro-organisms have been made apparent. Many experiments have been made and are in progress to test the various plans of prevention which have been suggested, or which appeared from known facts to be indicated.

While the internal administration of medicines has not proved of much avail, it has been shown that the progress of the disease might be arrested by separating and isolating the animals, and by the use of those disinfectants which are most deadly to these particular germs.

The conclusions from these investigations have been so radically different from the preconceived opinions of others who have paid some attention to this subject that they have been strongly criticized, and in some cases violently attacked. The confirmations, however, which have recently been made by European scientists, and in one case in this country by a competent independent worker, leads me to place the greatest confidence in these researches, which I know have been conscientiously and carefully performed.

On account of the great differences of opinion, and of the superlative importance of this subject, I have just appointed a commission, composed of three well-known experts in bacteriology, to investigate the contested questions and to make further recommendations for the treatment and prevention of such epizootics.

As the reports of the study of these diseases have necessarily been published in a fragmentary condition, I have now in preparation and nearly ready for publication a systematic and complete statement of their cause, nature, and prevention. This is prepared in a popular form, and I trust will be of much service to swine-breeders and farmers. From a scientific point of view these investigations are equally valuable, as these are among the few contagious diseases which have been thoroughly studied. The fact that two distinct and clearly defined contagious diseases may, and frequently do, exist in the same herd at the same time was an unexpected discovery; but it was much less expected to find both forms of contagion in one animal at the same time. Many of the facts brought out bear upon the general nature and treatment of contagious diseases in man, as well as upon the special plagues of animals that are investigated, and consequently the value of such researches to the country can not be measured alone by their direct effect upon a single industry. They are of particular importance to general pathology, and they assist in the rapid development of this science upon which we are as dependent for the protection of human lives as for guarding the enormous property which is invested in domestic animals.

The measures for the prevention and treatment of these diseases will be more clearly indicated when the nature and characters of the contagion are better understood. It would seem that the administration of medicines can not be depended upon to arrest the losses of swine from contagious diseases, any more than to guard against deaths in the human species from diphtheria, scarlatina, and tuberculosis. It is to preventive medicine that we must look for relief, and then only with satisfaction when there is concerted action for generally and systematically carrying out measures which have been intelligently devised to meet the peculiar conditions that exist with these plagues and that are found in the management and surroundings of this species of animals. Hastily conceived and untried legislative measures are to be avoided, or adopted with great caution, as they are liable to cause greater losses to the farming community than the disease itself.

#### ANTHRAX (CHARBON).

Every year great losses from this disease are brought to the attention of the Department. Heretofore these outbreaks have been more frequent and extensive in the lower Mississippi Valley than elsewhere, but this year agents of the Bureau of Animal Industry discovered that cattle were dying by hundreds in southern California, and an investigation developed the fact that they were affected with anthrax. This



malady apparently prevails over a large area of country on the Pacific coast, and will doubtless be a most serious drawback to any form of animal industry unless preventive measures are adopted.

The nature of this disease is now well understood. It is caused by a micro-organism called the *Bacillus anthracis*, which forms spores, and in this condition may retain its vitality for years in the soil, infecting the pastures and hay, and producing a fatal malady in any species of animals which consumethem. Communicable to man either by inoculation or by eating the products of diseased animals, its existence among animals constitutes a real danger to human health in the affected districts.

The wide distribution of this disease and its serious nature makes it desirable that the National Government should take action to assist in its prevention. The course of this malady is so rapid that medical treatment is generally useless, and as the soil in large districts may become infected and remain in that condition for years, the stock-owner in such localities has until recently been helpless. Fortunately the investigations of the last few years show that the virulence of this contagion may be so reduced by artificial means that it can be safely used as a vaccine to prevent the fatal form of the malady. Where this system of prevention is used in Europe statistics show that the losses formerly disastrous may be reduced to an insignificant figure. In this country there is no place where this vaccine is prepared, and, consequently, our farmers have no relief. This Department would have furnished such vaccine before this, had it not been for the want of a laboratory where contagious material so dangerous to human health can be manipulated. At present the laboratory work must be done in the garret of the Department building, where the rooms have wooden floors, walls, and ceilings, and where there can be no furnace for destroying dangerous material. There could be no more unsuitable place for such work. The contagion, once in the rooms, could only be removed with great difficulty, and the large number of people employed in the building make the risk so great, that investigations with animal diseases communicable to man have not been attempted.

I would respectfully ask the attention of Congress to the desirability of providing a suitable place for such researches, and for preparing vaccine for the prevention of anthrax and such other diseases as may be found amenable to this form of prevention. The expense would be comparatively slight, while the relief afforded to our stock-owners would be of the greatest assistance to them.

Glanders, tuberculosis, and actinomycosis are other diseases of animals communicable to and fatal to man, which are widely prevalent and demand investigation. With such a laboratory these infections would be immediately studied, and besides furnishing State sanitary boards and experiment stations with all available information on these subjects, every suggested means of prevention and treatment should be tried.

There is at present another reason for such a laboratory. With the establishment of experiment stations in every State there is a demand for persons qualified to make this class of investigations. At present the facilities for such instruction in this country are very limited, and nearly every one finds it necessary to spend a considerable period in Europe before they feel competent to accept a position where such work is required. A laboratory should be established at this Department with these educational features provided for. It should be possible for any experiment station to send a number of their corps here to receive such instruction without expense. Such a provision would insure competent investigations of animal diseases at each one of the

experiment stations within a very short time, and would do more than any other measure to advance the condition of veterinary sanitary science in this country.

#### THE PARASITES OF DOMESTIC ANIMALS.

The losses from this source have never been fully appreciated in this country, nor have the various species of animal parasites been studied with that care which their importance as a destructive agency makes desirable. The Bureau began about three years ago a systematic study of the parasites of sheep, and has since extended the inquiry to the other varieties of domestic animals. The subject is a difficult one and the progress has been slow, but satisfactory results are being attained, and we shall soon be ready to publish these for the elucidation of the obscure class of diseases produced by these organisms. There is still much to learn even about the best-known parasitic diseases, such as trichiniasis, parasitic bronchitis in cattle and sheep, the fluke disease called rot, and the common varieties of tape-worms; but besides these there are many other parasites producing almost equally fatal results, and which are comparatively unknown even to scientists.

#### INVESTIGATION IN REGARD TO THE SHEEP AND WOOL INDUSTRY.

For nearly two years I have been conducting an inquiry as to the sheep and wool industry in various parts of the country. The object has been to study the breeds and the methods adopted in different sections; to discover the causes of any depression which may exist in this industry; to learn the methods of successful sheep-owners, and determine how far it is possible to introduce these into sheep husbandry in general; to inquire into the profitableness of breeds not yet widely adopted, and to throw light upon the diseases to which sheep are subject. The importance of the inquiry has become more apparent as the work progressed. There is no question but that such information is greatly needed, and that when properly prepared it will afford valuable encouragement to this industry. The material gathered in this investigation is now being prepared, and will soon be issued as a special bulletin.

#### NUMBER OF THOROUGHBRED AND OTHER CATTLE.

A special investigation has just been concluded as to the number of thoroughbred cattle of different breeds in the United States, and also of the total number of cattle in the range country. Reliable information on these subjects has been in demand for several years, and only a special inquiry could secure it. The figures will soon be ready for publication.

#### THE HORSE INDUSTRY.

The breeding of horses has become one of the most profitable branches of the animal industries of the country to those who are breeding salable varieties and who escape the disastrous enzootic diseases. The great mass of American farmers, however, have been raising horses with scarcely an idea of the market requirements, or of the modern methods necessary for successful breeding at the present day. The result has been in too many cases the production of animals so small, badly formed, or subject to inherited diseases, that they can only be utilized for slow farm work, and are not desirable for that. Such



horses can not be sold except at a loss to the raiser, while the demand for good horses exceeds the supply, and they can be readily sold at a profit to the producer.

From these facts it is evident that exact information is needed by our farmers, first, as to the different types of horses in demand in the leading markets of the country; second, as to the characters of the different breeds of horses and of their produce when crossed upon the ordinary farm horses of the country; third, of the scientific principles to be applied for the most rapid and successful improvement of the present stock of horses; and, fourth, in regard to the diseases most likely to be encountered and the means which should be adopted for their prevention and treatment.

Some preliminary work has already been done in collecting information to meet these wants; but the subject is a very broad one, and must be worked over in a systematic and careful manner. It is believed that no more valuable work can be devised for the assistance of our animal industries than the presentation of a reliable statement of facts covering the points enumerated above. The subject will be divided into a number of sections, each of which will be covered by a separate bulletin, and the preparation of these will be pressed forward as rapidly as is consistent with a proper discharge of the other duties devolving upon the Bureau.

#### THE CATTLE INDUSTRY.

The breeding, management, and diseases of cattle have been forcibly brought to the attention of the Bureau in the work for the eradication of pleuro-pneumonia. In this industry there is also a great demand for information, particularly in connection with the diseases of cattle. A great mass of facts have been collected, and now that the pleuro-pneumonia work has been thoroughly organized and systematized, the Chief of the Bureau is regularly devoting a portion of his time to the preparation of this material for publication in such popular form as will meet the wants of the farmers and breeders of the country.

In this report I have only attempted to make a brief statement of the work of the Bureau of Animal Industry for the year 1888. I trust it will be sufficient to give the Congress a correct idea of the work which has been done and which is being undertaken in behalf of the animal industries of the United States.

Accompanying this will be found a detailed statement of expenditures, with list of persons employed and other items, as called for in the act establishing the Bureau of Animal Industry.

Very respectfully,

NORMAN J. COLMAN,  
*Commissioner of Agriculture.*

ITEMIZED STATEMENTS SHOWING ALL DISBURSEMENTS FROM DECEMBER 1, 1887, TO NOVEMBER 30, 1888, INCLUSIVE, AND A LIST OF ALL PERSONS EMPLOYED DURING THE SAME PERIOD.

List of all persons employed from December 1, 1887, to November 30, 1888.

[\* And traveling expenses. † Promoted.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Washington.</i>					
D. E. Salmon	Chief of Bureau	May 31, 1884			\$3,000
Miles Fuller	Clerk of Bureau	July 1, 1884			1,500
A. M. Farrington	Assistant in Bureau	Oct. 8, 1887			2,250
W. J. Cowing	do	July 1, 1886			1,800
Theobald Smith	Assistant in laboratory	July 1, 1886†			1,800
F. L. Kilborne	Supt. experimental station	Aug. 15, 1885			1,600
Cooper Curtice	Assistant in laboratory	Mar. 1, 1887†			1,600
P. L. Lyles	Assistant in Bureau	July 20, 1887			1,400
Do	do	Jan. 1, 1888†			1,600
Robert S. Forbes	do	Nov. 16, 1887†			1,400
Edward B. Jones	do	Apr. 2, 1887			1,200
Do	do	Apr. 1, 1888†			1,400
V. A. Moore	Assistant in laboratory	Dec. 22, 1886			900
Do	do	Jan. 1, 1888†			1,200
Mary Sullivan	Assistant in Bureau	Jan. 1, 1887†			1,000
Mary T. Dent	do	Apr. 2, 1887			660
Do	do	Mar. 1, 1888†			900
Sophia A. Beuter	do	July 6, 1888			840
William Alexander	Messenger	July 1, 1884			720
R. P. Logan	do	Apr. 8, 1887			720
Mary N. Barnard	Assistant in laboratory	Feb. 27, 1888			660
Mary G. Marshall	Assistant in Bureau	July 1, 1888			660
William E. Mundell	Laborer	June 15, 1887	July 18, 1888		600
Charles S. Myers	do	July 24, 1888			600
William R. Scholl	Assistant in laboratory	Jan. 4, 1888	July 15, 1888		600

INSPECTORS AND SPECIAL EMPLOYÉS.

T. T. D. Andrews	Employé	Apr. 16, 1887	Mar. 1, 1888		*1,800
James Anderson	Inspector	Apr. 25, 1887			*1,600
R. M. Bell	Employé	Dec. 22, 1886			*1,400
John P. Bond	Inspector	Apr. 25, 1887		*\$8.00	
Lucian T. Bell	do	July 18, 1887		*8.00	
J. A. Breakell	do	July 20, 1887	Sept. 30, 1888		*1,600
Henry W. Bath	do	Dec. 28, 1887	Nov. 15, 1888		*1,800
Charles E. Bridge	do	Mar. 30, 1888			*1,600
Francis Bridge	do	do		*8.00	
Thomas Bowhill	Employé	Sept. 27, 1888		*8.00	
Roscoe R. Bell	Inspector	Oct. 20, 1888			*1,600
T. J. Burrill	Employé	Nov. 27, 1888		*10.00	
A. W. Clement	Inspector	Dec. 1, 1887†			*2,000
John Casewell	Chief inspector, Illinois	Oct. 15, 1887	Mar. 31, 1888	*8.00	
W. W. Curry	do	Mar. 10, 1888			*1,400
John S. Candee	do	Apr. 13, 1888			*1,600
William H. Catlin	Agent	Apr. 1, 1888		*10.00	
W. H. Cooper	Inspector	Aug. 4, 1888		*5.00	
C. K. Dyer	do	Aug. 14, 1886			*1,600
William Dimond	Chief inspector, New Jersey	Dec. 1, 1887†			*2,000
William S. Devoe	Inspector	do			*2,000
Do	Chief inspector, Pennsylvania	Apr. 1, 1888†		*8.00	
Do	Chief inspector, New York	Aug. 23, 1888†		*10.00	
George C. Faville	Chief inspector, Maryland	Apr. 21, 1887		*8.00	
Do	do	Apr. 1, 1888†		*10.00	
Julius J. Feeks	Employé	Dec. 14, 1887	Feb. 4, 1888		*2,000
John J. Foy	Inspector	Mar. 12, 1888	Sept. 30, 1888		*1,200
J. Gerth, jr.	do	Sept. 17, 1888			*1,800
H. D. Gill	do	Feb. 6, 1888			*1,600
G. W. Gilbert	do	Mar. 12, 1888			*1,200
Thomas J. Herr	do	Sept. 29, 1886		*8.00	
Albert Hassall	do	May 24, 1887			*1,600
Julius Huelsen	do	Mar. 10, 1888			*1,400
D. R. Hoffman	do	Mar. 24, 1888			*1,200
R. W. Hickman	do	Mar. 31, 1888			*1,600
J. C. Jackson	do	Mar. 7, 1887	Oct. 31, 1888		*1,600



Itemized statements showing expenditures and number of employées, etc.—Continued.

## INSPECTORS AND SPECIAL EMPLOYÉES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
James Law.....	Chief inspector, Illinois and New York.	Apr. 7, 1887	Aug. 31, 1888	*\$20.00	.....
Eldon L. Loblein.....	Inspector.....	Dec. 8, 1887		*5.00	.....
William B. E. Miller.....	do.....	Oct. 7, 1886	June 30, 1888	*8.00	.....
Charles B. Michener.....	do.....	June 24, 1887		*8.00	.....
W. H. Martenet.....	do.....	Oct. 23, 1886			*\$1,600
A. S. Mercer.....	Employé.....	July 12, 1887			*1,600
A. D. Melvin.....	Inspector.....	Dec. 1, 1887†			*2,000
H. H. Metcalf.....	Employé.....	July 12, 1887	May 21, 1888		*1,600
William H. Mook.....	Inspector.....	Feb. 6, 1888			*1,600
Edgar Marlin.....	do.....	Mar. 30, 1888	Nov. 15, 1888		*1,600
W. B. Montgomery.....	do.....	Apr. 13, 1888	do.....		*1,600
Mahlon G. Mattison.....	do.....	Aug. 4, 1888		*5.00	.....
R. A. McLean.....	do.....	Mar. 1, 1887		*8.00	.....
James A. McDevitt.....	Employé.....	Sept. 19, 1887	Dec. 7, 1887	*8.00	.....
E. W. Perry.....	do.....	Oct. 1, 1884	July 26, 1888	*8.00	.....
F. W. Patterson.....	Inspector.....	Sept. 14, 1886			*1,400
N. H. Paaren.....	do.....	Nov. 24, 1886		*8.00	.....
Paul Paquin.....	Employé.....	Nov. 27, 1888		*8.00	.....
William H. Rose.....	Inspector.....	Aug. 15, 1885		*8.00	.....
H. W. Rowland.....	do.....	Mar. 7, 1887			*1,400
William Rose.....	do.....	Dec. 27, 1887	Oct. 31, 1888		*1,800
George W. Rust.....	Employé.....	Dec. 10, 1886	Aug. 21, 1888		*1,800
J. Elmer Ryder.....	Inspector.....	Aug. 15, 1887			*1,600
A. K. Robertson.....	do.....	Oct. 22, 1887			*1,600
Do.....	do.....	Sept. 17, 1888†			*1,800
James T. Ross.....	do.....	Apr. 4, 1888	Nov. 15, 1888		*1,600
James F. Ryder.....	do.....	Apr. 17, 1888	do.....		*1,600
E. C. H. Schroeder.....	do.....	Aug. 15, 1887			*1,000
Do.....	do.....	Aug. 1, 1888†			*1,200
E. O. Shakespeare.....	Employé.....	Nov. 27, 1888		*10.00	.....
H. M. Taylor.....	Agent.....	Apr. 15, 1885		*10.00	.....
M. R. Trumbower.....	Inspector.....	Mar. 29, 1886	June 30, 1888	*8.00	.....
Bower Talbot.....	do.....	Apr. 30, 1887	Mar. 31, 1888	*8.00	.....
Henry S. Vanderhoff.....	do.....	Dec. 27, 1887			*1,600
E. A. Vreeland.....	do.....	Mar. 10, 1888			*1,400
William H. Wray.....	Chief inspector, Maryland and New York.	Apr. 1, 1887†	Mar. 31, 1888	*10.00	.....
Do.....	Inspector.....	Apr. 18, 1888		*8.00	.....
James A. Walrath.....	do.....	Nov. 1, 1887†			*1,800
Do.....	do.....	Aug. 1, 1888†			*2,000
R. G. Webster.....	do.....	Apr. 4, 1888	Oct. 31, 1888		*1,600
George S. Williamson.....	Employé.....	Apr. 18, 1888			*1,800
J. M. Wainwright.....	do.....	July 6, 1888			*1,800
A. C. Young.....	Inspector.....	Aug. 18, 1887			*1,600
Do.....	Chief inspector, Pennsylvania..	Aug. 23, 1888†			*2,000

## CLERKS, DEPUTIES, ETC., BY STATES.

Illinois. (a)					
Herbert A. Brown.....	Deputy.....	Dec. 1, 1886	Mar. 31, 1888		1,000
George Carter.....	do.....	Dec. 31, 1886	do.....		1,000
Henry Vanderpoel.....	do.....	May 23, 1887	do.....		1,000
William J. Watt.....	Chief disinfecter.....	May 6, 1887†	Dec. 10, 1887	4.00	.....
Maryland. (b)					
William S. Brooke.....	Appraiser.....	Oct. 14, 1887			*1,000
Do.....	do.....	Feb. 1, 1888†			*1,200
William E. Zimmerman.....	do.....	Oct. 25, 1887			*1,000
Do.....	do.....	Feb. 1, 1888†			*1,200
J. B. Truil.....	Clerk.....	Oct. 23, 1887			1,000
Do.....	do.....	Apr. 1, 1888†			1,200
Do.....	do.....	Aug. 1, 1888†			1,400
Henry W. Hanna.....	do.....	June 1, 1887†	July 7, 1888		1,000
J. F. Shipley.....	do.....	Dec. 2, 1887			1,000

a Ten disinfectors at \$2.50 per diem were employed three days in December.

b The average number of disinfectors employed during the year was 8, averaging sixteen days a month. Their compensation was \$1.50 per diem, except two men with teams, who were paid \$3.

Itemized statements showing expenditures and number of employes, etc.—Continued.

## CLERKS, DEPUTIES, ETC., BY STATES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
Maryland—Continued.					
Fred. Faville	Clerk	Oct. 25, 1887			\$840
Do	do	July 1, 1888			1,000
T. Alex. Seth	do	May 2, 1888			1,000
Isaac L. Ball	do	July 2, 1888			*1,000
Daniel Keller	Deputy	June 1, 1887			*1,000
Do	do	May 1, 1888			*1,200
J. B. Hampsher	do	Oct. 25, 1887	Nov. 15, 1888		*1,000
David Riley	do	Oct. 26, 1887			*1,000
Carroll Ensor	do	do			*1,000
Carvil R. Perdue	do	do			*1,000
C. C. Prather	do	do	Nov. 15, 1888		*1,000
Henry C. Rohr	do	Nov. 1, 1887	July 31, 1888		*1,000
Louis A. McDaniel	do	Nov. 11, 1887			*1,000
L. G. Hubble	do	do	Nov. 30, 1888		*1,000
George G. Latchford	do	do			*1,000
John F. Davis	do	do			*1,000
Thomas A. Poulton	do	do	Nov. 15, 1888		*1,000
S. A. Mitchell	do	do			*1,000
Otho J. Gaver	do	do	Nov. 15, 1888		*1,000
Thomas B. Gatch	do	Nov. 25, 1887			*1,000
William O'Neal	do	do	Nov. 15, 1888		*1,000
William Hardy	do	do	do		*1,000
John McDade	do	Dec. 2, 1887	do		*1,000
James Boyd	do	do			*1,000
William H. Wade	do	Dec. 15, 1887	Nov. 15, 1888		*1,000
Thomas A. Hays	do	do			*1,000
Jehu T. Parsons	do	Apr. 9, 1888	July 8, 1888		*1,000
V. F. Collier	do	July 16, 1888			*1,000
David Holland	Chief disinfecter	Nov. 3, 1887			1,000
New York. (a)					
H. C. Gregory	Appraiser	Feb. 1, 1888	May 24, 1888	*\$5.00	
John Banks	do	do	do	*5.00	
Sidney Shepherd	Clerk	May 16, 1887	Sept. 15, 1888		1,500
Edward Devoe	do	Sept. 1, 1888			1,400
James B. Docharty	do	Dec. 31, 1887			*1,000
Do	do	Apr. 14, 1888			1,200
C. W. Neilson	do	Dec. 19, 1887			*1,000
Fletcher B. Huyler	do	do			*1,000
Adolph C. Shell	do	Dec. 17, 1887	June 6, 1888		*1,000
R. H. Palmer	Clerk and deputy	Mar. 10, 1888	Nov. 15, 1888		*1,000
Adolph Bevers	do	Apr. 16, 1888			*1,000
William J. Hobday	Deputy	Aug. 15, 1887			*1,000
George J. Murphy	Deputy and clerk	Nov. 28, 1887			*1,000
H. B. Parsons	Deputy	Dec. 15, 1887	Apr. 20, 1888		*1,000
William Ramsey	do	Dec. 19, 1887			*1,000
Townsend Wright	do	do	Nov. 15, 1888		*1,000
James Wall	do	do	do		*1,000
James McCarthy	do	do	do		*1,000
James W. Smith	do	do			*1,000
John Chester	do	do	May 15, 1888		*1,000
William E. Kavanagh	do	do			*1,000
E. D. Vaughn	do	do	Nov. 15, 1888		*1,000
James Thompson	do	do	do		*1,000
Ebenezer Bryant	do	do	do		*1,000
Thomas M. Farrell	do	Dec. 20, 1887			*1,000
Daniel Fox	do	do			*1,000
Henry Hesterberg	do	do			*1,000
Horatio Young	do	do	Nov. 15, 1888		*1,000
Albert Stern	do	do			*1,000
Charles Magrane	do	do			*1,000
T. W. Shute	do	do	Nov. 30, 1888		*1,000
Thad. K. Green	do	do	May 15, 1888		*1,000
Joseph J. Hearne	Deputy and clerk	Dec. 23, 1887			*1,000
Thomas J. Talbot	Deputy	Dec. 24, 1887	Nov. 17, 1888		*1,000
Rich. Murphy	do	do			*1,000
B. C. Underhill	do	do	Mar. 31, 1888		*1,000
John C. Shandley	do	do	Nov. 17, 1888		*1,000
M. F. Post	do	do	June 7, 1888		*1,000

a The average number of disinfectors employed during the year was 26, averaging 19 days a month. Their compensation was \$1.75 per diem before March, and then \$2.25, except 3 men with teams, who were paid \$5.



Itemized statement showing expenditures and number of employes, etc.—Continued.

## CLERKS, DEPUTIES, ETC., BY STATES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
New York—Continued.					
John McCloskey	Deputy	Dec. 24, 1887			*\$1,000
George A. Woods	do	Dec. 27, 1887			*1,000
Alex. McGilvray	do	Dec. 31, 1887	Apr. 30, 1888		*1,000
William Bulmer	do	do			*1,000
Daniel S. Jacobs	do	do	May 15, 1888		*1,000
James Bagley	do	do			*1,000
Jeremiah Connors	do	do			*1,000
Emiel W. Kraft	do	Jan. 3, 1888			*1,000
Henry Bodes	do	Jan. 4, 1888			*1,000
Thomas J. Ryan	do	do	May 5, 1888		*1,000
Hally J. Palmer	do	Jan. 5, 1888	May 15, 1888		*1,000
W. O. Van Tassell	do	do	May 10, 1888		*1,000
George Nelson	do	do	May 15, 1888		*1,000
W. F. Wiley	do	do	June 4, 1888		*1,000
I. C. Wright	do	do	May 15, 1888		*1,000
Nicholas Conzet	do	do	Nov. 17, 1888		*1,000
William Hogan	do	do	Nov. 15, 1888		*1,000
Peter Dickerson	do	Jan. 18, 1888	do		*1,000
Robert J. Menair	do	do	Nov. 17, 1888		*1,000
Warren Washburne	do	do	May 10, 1888		*1,000
William P. Wallace	do	do	Nov. 15, 1888		*1,000
William Sheehan	do	do	do		*1,000
Benjamin Hants	do	do	do		*1,000
William A. Clancy	do	do			*1,000
Harvey Green	do	Jan. 20, 1888	May 15, 1888		*1,000
Jared D. Powell	do	do	do		*1,000
Owen J. Kavanagh	do	do	do		*1,000
William J. Hines	do	do	Nov. 15, 1888		*1,000
J. Morris Gardner	do	do	June 6, 1888		*1,000
Michael McKeel	do	do	May 12, 1888		*1,000
James F. O'Brien	do	Jan. 21, 1888			*1,000
J. J. Kellum	do	do			*1,000
James H. Smith	do	Jan. 24, 1888			*1,000
Charles F. Matthews	do	Feb. 2, 1888	May 15, 1888		*1,000
Charles A. Gleason	do	do	Nov. 15, 1888		*1,000
Miles Adams	do	do			*1,000
Do	Appraiser	July 6, 1888			*1,200
J. F. Crown	Deputy	Feb. 2, 1888	May 15, 1888		*1,000
Benjamin Snedeker	do	Feb. 11, 1888	Oct. 1, 1888		*1,000
Herman Ehrenspeck	do	Feb. 13, 1888	Nov. 15, 1888		*1,000
Thomas L. Mottram	do	do	do		*1,000
William Thacker	do	Mar. 1, 1888	May 15, 1888		*1,000
Joseph Acton	do	Mar. 10, 1888	Nov. 15, 1888		*1,000
Joseph Fallon	do	do			*1,000
Thomas G. Willson	do	Apr. 16, 1888			*1,000
Do	Appraiser	July 6, 1888			*1,200
Frederick Drews	Deputy	Apr. 16, 1888	Nov. 15, 1888		*1,000
Charles Leopold	do	do			*1,000
William Deveson	do	do	June 5, 1888		*1,000
Mark Skennion	do	May 7, 1888	do		*1,000
John E. Sharkey	do	do			*1,000
James Hyatt	do	do	Nov. 15, 1888		*1,000
Martin Campbell	do	do			*1,000
Peter Brady	Deputy and clerk	do			*1,000
James W. Curran	Deputy	May 8, 1888			*1,000
Noble H. Kirkland	Deputy and clerk	July 6, 1888	Sept. 15, 1888		*1,000
Alex. Devlin, jr	Deputy	do			*1,000
Elias Sloat	do	July 20, 1888	Nov. 15, 1888		*1,000
Augustus Mott	do	do	Nov. 17, 1888		*1,000
Charles Hendrickson	do	do	do		*1,000
John J. Cunningham	do	do			*1,000
John G. Lane	do	do	Nov. 15, 1888		*1,000
E. P. Golden	do	July 23, 1888	do		*1,000
Patrick J. McIntyre	do	July 25, 1888			*1,000
John Allen	do	do	Nov. 15, 1888		*1,000
Moses L. Phillips	Clerk	Sept. 1, 1888			*1,000
W. W. Craig	do	Sept. 17, 1888			*1,000
P. Jerome Thomas	Deputy	Oct. 1, 1888			*1,600
Rudolph Rannow	do	Oct. 25, 1888	Nov. 17, 1888		*1,000
Alfred May	do	Jan. 18, 1888	June 13, 1888	\$1.00	
James McElroy	do	do	do	1.00	
Frank Ketcham	do	Mar. 1, 1888	Nov. 15, 1888	1.00	
Gustav L. Cohn	do	Mar. 10, 1888		1.00	
William J. Watt	Chief of disinfectors	Dec. 14, 1887		4.00	

## Itemized statement showing expenditures and number of employes, etc.—Continued.

## CLERKS, DEPUTIES, ETC., BY STATES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>New York—Continued.</i>					
Wm. J. Watt .....	Chief of disinfectors .....	Jan. 18, 1888†		\$5. 00	.....
Wm. Hermann .....	Foreman of disinfectors .....	Dec. 14, 1887		1. 75	.....
Do .....	do .....	Jan. 16, 1888†			\$1, 000
Thomas Coyle .....	do .....	Jan. 2, 1888		1. 75	.....
Do .....	do .....	Jan. 16, 1888†			1, 000
O. W. Green .....	do .....	Aug. 4, 1888			1, 000
<i>New Jersey. (a)</i>					
Ferdinand Heintz .....	Appraiser .....	Apr. 6, 1888	May 17, 1888		*1, 400
M. J. Coyle .....	do .....	do .....	Nov. 30, 1888		*1, 400
John R. Chattin .....	do .....	do .....			*1, 400
B. D. Phillips .....	Clerk .....	Oct. 12, 1887			840
Do .....	do .....	Feb. 1, 1888†			1, 000
Seneca Barker .....	do .....	Feb. 20, 1888			840
C. D. Noonan .....	do .....	Apr. 26, 1888			840
Gustav Seide .....	Deputy .....	Feb. 6, 1888	Nov. 17, 1888		*1, 000
Patrick Buckley .....	do .....	do .....	May 24, 1888		*1, 000
Peter Girth .....	do .....	do .....			*1, 000
Jas. J. Clarke .....	do .....	do .....			*1, 000
Andrew Garling .....	do .....	do .....			*1, 000
Thos. Lenihan .....	do .....	do .....	Nov. 17, 1888		*1, 000
John Roberts .....	do .....	do .....			*1, 000
Simon Kelly .....	do .....	do .....			*1, 000
John Mulqueeny .....	do .....	Feb. 27, 1888	Nov. 17, 1888		*1, 000
E. F. Gorman .....	do .....	Apr. 6, 1888			*1, 000
Maurice Walsh .....	do .....	do .....	Nov. 17, 1888		*1, 000
Henry Poynton .....	do .....	do .....	June 4, 1888		*1, 000
G. W. Garretson .....	do .....	do .....			*1, 000
Aug. Kattenstroth .....	do .....	Apr. 7, 1888	Oct. 26, 1888		*1, 000
Patrick Carlin .....	do .....	do .....	Nov. 17, 1888		*1, 000
Robert Quinlan .....	do .....	do .....			*1, 000
R. R. Letts .....	do .....	Apr. 11, 1888			*1, 000
Cornelius Teehan .....	do .....	do .....			*1, 000
Jas. S. Miller .....	do .....	Apr. 12, 1888	Nov. 17, 1888		*1, 000
Garret Haley .....	do .....	Apr. 19, 1888	do .....		*1, 000
John C. Carr .....	do .....	do .....	May 24, 1888		*1, 000
Gustav Hauser .....	do .....	do .....	Nov. 17, 1888		*1, 000
<i>Pennsylvania. (b)</i>					
Daniel G. Hatch .....	Clerk .....	Mar. 24, 1888			1, 200
Do .....	do .....	Apr. 14, 1888†			1, 400
W. A. Willard .....	do .....	Jan. 15, 1888			*1, 400
C. Moffatt .....	do .....	Apr. 20, 1888			540
Do .....	do .....	Aug. 15, 1888†	Oct. 31, 1888		690
Charles Hartman .....	Deputy .....	Apr. 10, 1888			*1, 000
Michael J. Barry .....	do .....	do .....	Nov. 15, 1888		*1, 000
Isaac Brown .....	do .....	do .....			*1, 000
George Carter .....	do .....	do .....			*1, 000
W. H. Janney .....	do .....	do .....			*1, 000
Daniel Scull .....	do .....	do .....	Nov. 15, 1888		*1, 000
Wm. T. Fallon .....	do .....	Apr. 11, 1888			*1, 000
Jas. McDermott .....	do .....	do .....	Nov. 15, 1888		*1, 000
J. J. Eberhardt .....	do .....	do .....			*1, 000
Jos. M. Manks .....	do .....	do .....	Nov. 15, 1888		*1, 000
John J. Owens .....	do .....	do .....			*1, 000
John J. Matthews .....	do .....	do .....	Nov. 15, 1888		*1, 000
Timothy A. Maher .....	do .....	do .....	do .....		*1, 000
Geo. W. Been .....	do .....	do .....	do .....		*1, 000
Henry Morse .....	do .....	do .....			*1, 000
John B. Herron .....	do .....	do .....			*1, 000
E. Santman .....	do .....	Apr. 12, 1888	Nov. 15, 1888		*1, 000
John J. Treston .....	do .....	Apr. 20, 1888	do .....		*1, 000
Chas. A. Kelly .....	do .....	do .....	do .....		*1, 000
Albert J. Fricka .....	do .....	do .....	do .....		*1, 000
Jos. R. Tatem .....	do .....	Apr. 27, 1888	do .....		*1, 000
Archie O. Drane .....	do .....	Apr. 21, 1888	do .....		*1, 000

a Disinfectors employed from March to November; average number was 27, averaging 18 days a month. Their compensation was \$2.25 per diem, except a foreman, who was paid \$3, and two men with teams, who were paid \$5.

b Disinfectors employed from April to October; average number was 8, averaging 14 days a month. Their compensation was \$2 per diem, except one man with team, who was paid \$5.



Itemized statement showing expenditures and number of employes, etc.—Continued.

## CLERKS, DEPUTIES, ETC., BY STATES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Pennsylvania—Cont'd.</i>					
Thomas F. O'Brien.....	Deputy .....	May 8, 1888	.....	.....	*\$1,000
James McCarron.....	do .....	May 22, 1888	.....	.....	*1,000
James J. King .....	do .....	do .....	.....	.....	*1,000
Harvey Ostrander.....	Chief of disinfectors .....	Apr. 26, 1888	.....	.....	1,000
Do .....	Deputy .....	Oct. 1, 1888	.....	.....	*1,000

## Statement of the appropriation for 1887-'88.

	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.	Total.	Number of animals.	
							Af- fected	Ex- posed
New York .....	\$71,340.96	\$13,404.46	\$6,505.39	\$29,828.88	\$60,932.87	\$182,012.56	1,281	2,912
New Jersey .....	20,595.39	5,963.67	1,859.78	10,788.00	18,653.00	57,859.84	425	647
Pennsylvania.....	12,084.32	1,692.50	1,255.04	1,012.50	1,678.50	17,722.86	48	74
Maryland .....	40,471.65	11,808.74	2,611.53	18,132.11	59,888.37	132,912.40	710	2,232
Illinois .....	30,310.86	1,518.98	3,086.33	1,702.92	16,561.64	53,180.73	74	999
Vermont, Massachusetts, Virginia, and District of Columbia .....	2,878.28	895.33	19.55	739.00	754.50	5,286.66	45	57
Texas .....	1,649.85	313.70	.....	.....	.....	1,963.55	.....	.....
Scientific investigations ..	8,831.57	466.12	3,926.96	.....	.....	13,224.65	.....	.....
Collecting information ..	8,608.30	2,636.76	256.00	.....	.....	11,501.06	.....	.....
Investigating reported dis- eases .....	364.45	291.82	69.31	.....	.....	725.58	.....	.....
Washington and miscella- neous .....	17,601.40	528.74	5,456.05	.....	.....	23,586.19	.....	.....
Total .....	214,737.03	39,520.82	25,045.94	62,203.41	158,468.86	499,976.08	2,583	6,921

*Expended from the appropriation for 1887-'88, by States.*

NEW YORK.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1887.								
Dec. 3	B. W. Bradford	Westchester County	Disbursed to Nov. 30, total.... \$25,393.28	\$4,217.26	\$1,741.11	\$54.23	\$4,962.27	\$14,418.41
3	do	do	5 animals				117.00	
3	W. H. Wray	do	14 animals					357.50
7	A. K. Robertson	do	Salary and expenses, Nov., and off. rent, Oct. 15 to Nov. 30	250.00	.80	91.92		
7	A. C. Young	do	Salary and expenses Nov	130.40	1.85			
9	Lazell, Dalley & Co.	New York	Disinfectants	130.40	2.88			
12	James Law	do	Salary and expenses, Nov. 30	20.00	8.92	8.95		
12	Jas. A. Breakell	Westchester County	Salary and expenses, Nov	130.40	116.75		15.00	
12	Ellis Brockway	do	1 animal				150.00	
12	Gec. K. Carpenter <i>et al</i>	do	9 animals					742.00
12	do	do	37 animals				50.00	
12	Mrs. James Lee <i>et al</i>	do	3 animals					54.50
12	do	do	do				200.00	
12	Peter Schauss	Queens County	8 animals					
14	Ch. B. Michener	do	Salary and expenses, Nov., 4 days	32.00	4.34			
14	J. C. Jackson	do	Salary and expenses, Nov	130.40	120.40			
16	Lucan T. Bell	do	do	208.00	45.00			
17	J. Elmer Ryder	do	do	130.40	4.10			
22	John J. Robertson	Queens County	2 animals				50.00	
22	Wm. Schubert <i>et al</i>	do	23 animals				48.00	
22	John Gallagher	Kings County	4 animals				88.82	
27	Terence McIntyre	Westchester County	1 animal				15.00	
27	do	do	do					5.00
28	R. A. McLean	do	Salary and expenses, July	200.00	150.40	40		
31	do	do	Salary and expenses, Aug	216.00	177.22	60		
31	do	do	Salary and expenses, Sept	208.00	150.26	.85		
1888.			Total for month .....	1,786.00	722.92	102.72	1,165.82	1,159.00
Jan. 7	Wm. J. Watt <i>et al</i>	Disinfectors	Salaries, Dec.	362.75				
7	Chas. Magrane	Deputy	Salary and expenses, Dec. 27 to 31	13.59	1.02			
7	Ch. B. Michener	do	Salary and expenses, Dec. 4 days	32.00	3.15			
7	Sidney Shepherd	Clerk	Salary and expenses, Dec	126.40	91.96			
7	James Law	do	Salary and expenses, Dec. 23 days	460.00	59.99	54.43		
7	Thos. J. Heit	do	Salary and expenses, Dec	216.00	32.15			
7	N. H. Paaran	do	Salary and expenses, Dec. 15 to 31	112.00	71.50			
7	A. K. Robertson	do	Salary and expenses, Dec.	144.80	6.51			
9	Jas. A. Breakell	do	do	134.80	118.17	2.00		





*Expended from the appropriation for 1887-'88, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Jan. 19	A. C. Young		Salary and expenses, Dec. 1 to 5	\$21.74	\$0.35			
20	J. J. Feeks		Expenses, Jan. 17 to 20		42.65	\$42.00		
21	Michael J. Hackett	New York	Barrels			4.00		
21	James McCarthy	Deputy	Salary, Dec. 31	2.72				
21	A. S. Barnes & Co.	New York	Books, etc			242.98		
26	Gleason & Bailey Manufac- ing Company.	do	Pumps, etc			123.10		
26	Dunlar Box and Lumber Co.	do	Boxes.			11.00		
26	J. E. Ryder		Salary and expenses, Dec	134.80	7.20			
26	do		Expenses, Nov. 22		1.50			
			Total for month	3, 516.53	897.09	1, 037.40	\$617.00	\$145.00
Feb. 2	Julius J. Feeks		Salary and expenses, Jan. 11 to 31	109.89	20.00			
2	do		Expenses, Feb. 1 to 2			28.00		
6	Sidney Shepherd	Clerk.	Salary and expenses, Jan	127.70	6.95			
7	C. W. Neilson	do	do	85.20	7.83			
7	Ch. B. Michener	do	do	208.00	4.52			
7	John P. Bond	do	do	208.00	25.82			
7	Jas. Anderson	do	do	136.30	5.32			
7	N. H. Paaren	do	do	208.00	48.13			
7	W. H. Wiay	do	do	240.00	21.00			
8	I. C. Wright	Deputy	Salary and expenses, Jan. 13 to 31	52.20	2.88			
8	Jas. F. O'Brien	do	Salary and expenses, Jan. 26 to 31	13.74	2.10			
8	Wm. A. Clancy	do	Salary and expenses, Jan. 25 to 31	19.23	1.04			
8	Geo. A. Woods	do	Salary and expenses, Jan. 7 to 31	68.68	2.02			
8	H. W. Bath	do	Salary and expenses, Jan	153.30	41.92			
8	John McCloskey	Deputy	do	85.20	2.87			
8	Thos. J. Herr	do	do	208.00	12.38			
8	Dan. S. Jacobs	Deputy	Salary and expenses, Jan. 4 to 31	76.92	5.50			
8	Wm. Bulmer	do	do	76.92	2.13			
8	Jeremiah Connors	do	Salary and expenses, Jan. 5 to 31	74.18	2.99			
8	Alex. McGilvray	do	Salary and expenses, Jan. 6 to 31	71.43	2.65			
8	O. J. Kavanagh	do	Salary and expenses, Jan. 23 to 31	24.73	1.24			
8	Harvey Green	do	Salary and expenses, Jan. 25 to 31	19.23	2.37			
9	Chas. Magrane	do	Salary and expenses, Jan	85.20	5.02			
9	Albert Stern	do	do	85.20	8.26			
9	F. B. Huyler	do	do	85.20	2.82			
9	Jas. J. Hearn	do	do	85.20	9.78			
9	Rich. Murphy	do	do	85.20	2.50			
9	Henry Bodes	do	Salary and expenses, Jan. 5 to 31	74.18	2.78			

9	W. Washburn	do	Salary and expenses, Jan. 23 to 31	24.73	4.12	
9	W. O. Van Tassel	do	Salary and expenses, Jan., 3 days	8.24	5.52	
9	M. F. Post	do	Salary and expenses, Jan	85.20	3.72	
9	do	do	Salary and expenses, Dec. 29 to 31	8.15	60	
10	Wm. Hogan	do	Salary and expenses, Jan. 16 to 31	43.96	.72	
10	J. J. Kellum	do	Salary for Jan. 24 to 31	10.99		
10	Wm. J. Hines	do	Salary for Jan. 26 to 31	16.48		
10	R. J. Menair	do	Salary for Jan. 23 to 31	24.73		
10	Bogardus & Ellaby	New York	Sundries	44.39		
11	J. C. Jackson	do	Salary and expenses, Jan.	136.30	113.50	
11	Jas. A. Breakell	do	do	136.30	125.00	
11	A. K. Robertson	do	do	136.30	4.07	
11	L. T. Ball	do	do	208.00	45.00	
11	J. J. Feeks	Deputy	Salary and expenses, Feb. 1 to 4	21.98	15.60	
11	Horatio Young	do	Salary and expenses, Jan.	85.20	7.22	
11	Jas. Wall	do	do	85.20	7.22	
11	Ebenezer Bryant	do	do	85.20	15.50	
11	E. D. Vaughn	do	do	85.20	7.22	
11	J. B. Docharny	do	Salary for Jan. 2 to 31	82.42		
11	John Chester	do	Salary for Jan	85.20		
11	A. C. Shell	do	do	85.20		
11	Geo. J. Murphy	do	do	85.20		
11	T. J. Ryan	Deputy	Salary for Jan. 5 to 31	85.20		
11	Wm. Watt <i>et al</i>	Disinfectors	Salaries, Jan	74.18		
13	J. J. Koehl	Disinfect	Salary for Jan. 2 to 9	1,374.92		
13	Jacob Hill	do	Burying cattle	12.25		
13	M. Mekeel	Deputy	Salary for Jan. 23 to 31	24.73		
13	J. D. Powell	do	Salary and expenses, Jan. 24 to 31	21.98	4.82	
13	Wm. Ramsey	do	Salary and expenses, Jan	85.20	14.08	
13	H. S. Vandethoff	do	do	136.30	30.89	
13	do	do	Salary and expenses, Dec. 28 to 31	17.39	4.03	
13	R. A. McLean	do	Salary and expenses, Oct. 1 to 21 and 25 to 31	184.00	135.78	.92
18	Alfred May	Deputy	Salary for Jan. 18 to 31	12.00		
18	Wm. Watt	Disinfect	Exp. disinfecting corps, Jan. 11 to 27	19.23		
18	J. M. Gardiner	Deputy	Salary for Jan. 25 to 31	85.20	1.65	
18	Jas. W. Smith	do	Salary and expenses, Jan	85.20	3.12	
18	H. B. Parsons	do	do	85.20	2.92	
18	Jas. McCarthy	do	do	85.20	2.92	
18	Jas. Thompson	do	do	85.20	4.50	
18	Thad. K. Green	do	do	85.20		
18	Wm. Mooney	do	do	85.20		
18	W. F. Wiley	New York	Trans. dis. material, Jan. 23 to 31	49.45		
18	Nicholas Conzet	Deputy	Salary for Jan., 14 to 31	52.20		
18	H. J. Palmer	do	Salary for Jan., 13 to 31	40.45	2.32	
18	T. E. D. Power	New York	Salary and expenses, Jan. 14 to 31	56.16		
18	do	do	Office rent and gas, Jan	55.54		
18	Jas. Bagley	Deputy	do	85.20	6.42	
18	Daniel Fox	do	Salary and expenses, Jan.	85.20	14.97	
18	Dances Lax	do	Salary and expenses, Jan. 1 to 16 and 18 to 31	500.00	22.32	
18	Wm. J. Hobday	Deputy	Salary and expenses, Jan	85.20	45.00	
18	Wm. Rose	do	do	123.63	3.32	
18	do	do	Salary and expenses, Dec. 29 to 31	14.67	.30	

*Expended from the appropriation for 1887-'88, by States—Continued.*  
NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Feb. 18	Canda & Kane.	New York	Lime.			\$108.75		
18	R. A. McLean.	do	Salary and expenses, Nov.	\$200.00	\$123.93	.26		
18	do	do	Salary and expenses, Dec.	216.00	146.77			
20	James McElroy.	Deputy	Salary for Jan. 18 to 31	12.00			\$710.00	\$1,010.00
20	do	Kings County	29 animals					
20	do	do	54 animals					
20	A. C. Henry, Jr., et al.	do	20 animals				482.25	184.03
20	Jas. Martin et al.	Richmond County	9 animals				460.00	34.00
20	do	do	18 animals					
20	A. Neidlinger et al.	New York County	2 animals				1,115.00	1,480.00
20	do	do	61 animals					
20	Leopold Weil.	Queens County	83 animals				150.00	2,487.00
20	do	do	10 animals					
21	Geo. Nelson.	Westchester County	92 animals				118.00	2,145.00
21	do	do	7 animals					
21	E. B. Brady	do	74 animals					
23	Wm. Steelman.	Deputy	Salary for Jan. 23 to 31	24.73				
23	W. P. Wallace	do	Salary and expenses, Jan. 21 to 31	30.22	1.70			
23	Thos. W. Shute	do	Salary and expenses, Jan.	85.20	6.90			
23	E. W. Kraft.	do	Salary and expenses, Jan. 3 to 31	75.67	7.88			
23	Starr Ga Nun.	do	Lime, etc.			65.04		
23	The Gutta Percha and Rubber	New York	Sundries			82.80		
28	Manufacturing Company.	do						
28	Townsend Wright.	Deputy	Salary and expenses, Jan.	85.20	7.50			
28	Trow's Printing and Book-	New York	Stationery, etc.			165.20		
28	binding Company.	do						
28	do	do	do					
28	Wing & Evans	do	Bleaching powder			97.30		
28	Henry Hosterberg	Deputy	Salary for Jan.	85.20		82.72		
28	Thos. J. Talbot.	do	Salary and expenses, Jan.	85.20	5.40			
			Total for month.	8,643.81	1,281.62	874.46	3,035.25	7,340.03
Mar. 2	F. J. Cazamus	Westchester County.	15 animals					
2	do	do	5 animals					
5	J. B. Doeharty	Deputy	Salary for Feb.	79.60			75.00	440.00
5	F. B. Huyler	do	do	79.60				
5	Thos. J. Ryan.	do	do	79.60				
5	A. C. Shell	do	do	79.60				
5	Sidney Shepherd.	Clerk	do	119.60				
5	Wm. J. Watt et al.	Disinfectors	Salaries for Feb.	1,800.70				



5	Thos. J. Herr	Salary and expenses, Feb	200.00	18.02	
5	N. H. Paaron	do	200.00	6.62	
5	C. W. Neilson	Deputy	79.60	1.72	
5	H. Ehrensbeck	Salary and expenses, Feb. 17 to 29	35.71	1.92	
6	Jas. F. O'Brien	do	79.60	12.51	
6	Wing & Evans	Bleaching powder		59.20	
7	Henry Bodes	Salary and expenses, Feb.	79.60	4.77	
7	O. J. Kavanaugh	do	79.60	6.54	
7	Jas. A. McCarthy	do	79.60	3.82	
7	Geo. A. Woods	do	79.60	2.22	
7	Alex. McGilvray	do	79.60	6.54	
7	Bogardus & Ellaby	Sundries	26.94	34.12	
7	W. A. Willard	Salary and expenses, Feb. 9 to 12 and 27 to 29	200.00	18.51	
9	John P. Bord	Salary and expenses, Feb	230.00	23.00	
9	W. H. Wray	do	127.40	111.97	
9	Jas. A. Breakell	do	160.00	3.02	
9	Ch. B. Michener	Salary and expenses, Feb., 20 days	127.40	2.62	
9	A. K. Robertson	do	127.40	8.97	
9	Jas. Anderson	Salary and expenses Jan.	136.30	15.80	
9	J. E. Ryder	Salary and expenses, Feb.	79.60	45.00	
9	Wm. J. Hobday	do	79.60	3.82	
9	Jas. Thompson	do	79.60	10.45	
9	Chas. Magrane	do	71.43	7.58	
9	John F. Grow	Salary and expenses, Feb. 4 to 29	79.60		
9	Geo. J. Murphy	Salary and expenses, Feb	79.60		
9	R. J. Menair	do	79.60		
9	Canda & Kane	Lime		110.00	
9	Louis Spiero	Office furniture		80.00	
9	W. M. Mooney	Salary for Feb., 24 days	120.00		
9	M. F. Post	Salary and expenses, Feb.	79.60	38.92	
9	H. W. Bath	do	143.40	41.02	
9	Chas. A. Glenson	Salary and expenses, Feb. 7 to 29	63.19	8.24	
9	John McCloskey	Salary and expenses, Feb.	79.60	1.35	
9	Wm. A. Clancy	do	79.60	2.08	
9	Jos. J. Hearn	do	79.60	2.12	
9	J. J. Kellam	do	79.60	5.96	
9	Jeremiah Connors	do	79.60	2.88	
9	Wm. Sheehan	do	79.60	72	
9	N. Conzet	do	79.60	3.35	
9	Jas. Bagley	do	79.60	8.97	
9	Albert Storn	do	79.60	12.14	
9	Lucian T. Bell	do	200.00	45.12	
9	Wm. Rose	do	143.40	11.82	
10	Ebenezer Bryant	do	79.60	8.53	
10	Townsend Wright	Deputy	79.60	8.04	
10	Thos. J. Talbot	do	79.60	6.38	
10	Wm. Ramsey	do	79.60	6.04	
10	Daniel Fox	do	79.60	4.78	
10	B. C. Underhill	do	79.67		
10	do	Salary for Jan. 3 to 31	79.60	4.04	
10	Rich. Murphy	Salary and expenses, Feb	79.60	2.68	
10	Jas. W. Smith	do	79.60	1.43	

*Expended from the appropriation for 1887-'88, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Mar.								
10	Benj. Hants	Deputy	Salary and expenses, Feb. 9 to 29	\$57.69	\$3.12			
10	Alfred May	do	Salary for Feb.	29.00				
10	Jas. McElroy	do	do	29.00				
10	Henry Craine	Kings County	1 animal				\$25.00	\$85.00
10	M. Kirchheimer	do	4 animals					
10	do	do	2 animals				45.00	
10	Nicholas Fitting	Queens County	1 animal				23.00	
10	D. J. Chadsey <i>et al</i>	do	14 animals				242.00	
10	do	do	do					302.00
10	Patrick Neill	New York County	1 animal					45.00
10	Geo. Kinscy	Richmond County	2 animals				30.00	
10	Jas. H. Smith	Deputy	Salary and expenses, Feb.	79.60	4.87			
10	J. D. Powell	do	do	79.60	32.72			
12	J. M. Gardner	do	do	79.60	31.52			
12	Horatio Young	do	do	79.60	13.27			
12	W. P. Wallace	do	do	79.60	1.26			
12	James Wall	do	do	79.60	13.27			
12	J. C. Jackson	do	do	127.40	110.42			
12	John Sahr	Queens County	3 animals				56.00	
12	John C. Suydam	do	1 animal				12.50	
12	Mary E. Curtis <i>et al</i>	do	3 animals				56.00	
12	do	do	1 animal				20.00	
12	do	Kings County	16 animals				240.00	
12	Emil Merkert	do	11 animals				235.00	
12	Emil Merkert <i>et al</i>	do	18 animals					360.00
12	Emil Merkert	do	6 animals					
12	Alex. Dickson <i>et al</i>	do	14 animals				145.00	
12	do	do	3 animals					
12	C. H. Gilmore	do	23 animals				51.00	
12	do	do	2 animals				30.00	
12	Mathias Geis <i>et al</i>	Westchester County	3 animals					57.50
12	do	do	1 animal				35.00	
12	Margaretta Schutz	New York County	Stationery			\$132.20		
14	Trow's Printing and Book-binding Company.	New York	Salary and expenses, Feb.	127.40	45.00			
14	H. S. Vanderhoff	Deputy	do	79.60	34.14			
15	Wm. Bulmer	do	do	79.60	37.42			
15	W. O. Van Tassel	do	do	79.60	10.32			
15	E. D. Vaughn	do	do	79.60	2.10			
15	M. Mekeel	do	do	79.60				
15	Thos. L. Mottram	do	Salary and expenses, Feb. 18 to 29	32.97	1.32			
15	B. N. Snedeker	do	Salary for Feb. 11 to 29	52.20				



15	W. F. Wiley	do	Salary and expenses, Feb.	79.60	33.70	
16	Wm. J. Hines	do	do	79.60	36.12	
16	E. W. Kraft	do	do	79.60	31.26	
16	Don. S. Jacobs	do	do	79.60	15.32	
17	J. C. Shandley	do	Salary for Jan	85.20		
17	Harvey Green	do	Salary and expenses, Feb.	79.60	7.22	
19	James Law	do	Salary and expenses, Feb. 1 to 28.	480.00	4.21	115.57
19	R. A. McLean	do	Salary and expenses, Jan.	208.00	136.72	
19	D. E. Salmon	do	Expenses for Feb. 14 to 15.		10.40	
19	do	do	Expenses for Mar. 7 and 8.		16.65	
19	do	do	Tags.			
19	Hootle Manufacturing Co	New York	Salary and expenses, Feb.	79.60	36.87	
20	Thad. K. Green	Deputy	do	79.60	35.24	
20	W. Washburn	do	do	79.60	20.52	
23	Wm. Hogan	do	do	79.60	32.88	
23	I. C. Wright	do	do	79.60	30.12	
23	H. B. Parsons	do	Salary for Jan	85.20		
23	Thos. M. Farrell	do	Board disinfecting corps, Jan.		72.70	
23	Catherine Pearn	do	Salary and expenses, Feb. 13 to 29.	46.70	21.72	
23	Chas. F. Matthews	Deputy	Salary and expenses, Feb.	79.60	34.15	
23	H. J. Palmer	do	do	79.60	8.07	
23	Thos. W. Shute	do	Salary for Feb.	79.60		
23	J. C. Shandley	do	Salary and expenses, Feb., 18 days.	90.00	65.76	
23	H. C. Gregory	Appraiser	Salary and expenses, Feb., 17 days.	85.00	72.59	
23	John Banks	do	Sundries		33.50	
23	Gleason & Bailey Manufacturing Company.	New York	do		47.86	
31	The Gurta Percha and Rubber Manufacturing Company.	do	Salary for Mar.	127.70		
31	Sidney Shepherd	Clerk	1 animal		25.00	
31	G. A. Bennett	Kings County	5 animals		105.00	
31	G. A. Bennett <i>et al.</i>	do	38 animals		600.00	
31	Chas. H. Ryan	do	8 animals		108.00	
31	G. A. Bennett <i>et al.</i>	do	38 animals		710.00	
31	do	do	5 animals		90.00	
31	Richard Bragay <i>et al.</i>	Queens County	12 animals		200.00	
31	Leopold Well <i>et al.</i>	do	11 animals		290.00	
31	Henry Harms	do	15 animals		346.30	
31	F. J. Kearney <i>et al.</i>	New York County	1 animal		25.00	
31	W. E. O'Brien	do	3 animals		88.00	
31	Timothy Moyuahan	Westchester County	9 animals		225.00	
31	Joshua James	do	Total for month	19,513.20	1,566.02	4,234.80
4	W. H. Wray	do	Salary and expenses, Mar. 1 to 28 and 30 to 31.	250.00	22.00	
4	Thos. Coyle <i>et al.</i>	Disinfectors	Salaries, Mar.	1,964.15		
4	John McCloskey	Deputy	Salary and expenses, Mar.	85.20	2.92	
4	Thad. K. Green	do	do	86.20	40.00	
4	H. S. Vanderhoff	do	do	136.30	45.00	
4	Jos. Fallon	Deputy	Salary and expenses, Mar. 23 to 31	24.73	2.67	
4	F. B. Huyler	Clerk	Salary for Mar.	85.20		

Expended from the appropriation for 1887-'88, by States—Continued.  
NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Apr. 4	A. C. Shell	Clerk	Salary for Mar.	\$85.20				
4	J. B. Docharty	do	do	85.20				
4	C. W. Neilson	do	do	85.20				
5	Simon Loeb <i>et al.</i>	New York County	14 animals			\$253.00		\$761.00
5	do	do	44 animals					
5	August Speth	Queens County	1 animal			25.00		
5	Peter Schauss <i>et al.</i>	do	40 animals			791.00		
5	do	do	120 animals					
5	J. H. Smith	Kings County	2 animals			45.00		
5	A. W. Monfort <i>et al.</i>	do	6 animals			160.00		
5	do	do	25 animals			586.00		
5	do	do	110 animals					
5	Geo. W. Kinsey <i>et al.</i>	Richmond County	14 animals					
5	do	do	17 animals					
5	I. C. Wright	Deputy	Salary and expenses, Mar.					
7	H. W. Bath	Deputy	do	85.20	\$36.14			
7	W. A. Willard	do	Salary and expenses, Mar. 1 to 8.	153.30	40.12			
7	H. B. Parsons	Deputy	Salary and expenses, Mar.	30.76	26.44			
7	Jas. Bagley	do	Salary and expenses, Mar.	85.20	31.37			
7	Albert Stern	do	do	85.20	11.93			
7	H. J. Palmer	do	do	85.20	9.37			
7	Geo. Nelson	do	do	85.20	8.83			
7	do	do	do	85.20	2.45			
7	B. N. Snedeker	do	Salary for Feb.	79.60				
7	Thomas J. Ryan	do	Salary for Jan. 25 to 31	19.23				
7	Geo. J. Murphy	do	Salary for Mar.	85.20				
7	R. J. Menair	do	do	85.20				
7	Thos. J. Horr	do	Salary and expenses, Mar.	85.20				
7	John P. Bond	do	do	216.00	41.74			
7	N. H. Paaren	do	do	216.00	30.62			
7	Ch. B. Michenet	do	do	216.00	9.40			
7	J. E. Ryder	do	Salary and expenses, Mar., 20 days	160.00	4.97			
7	A. K. Robertson	do	Salary and expenses, Feb.	127.40	15.20			
7	Miles Adams	do	Salary and expenses, Mar.	136.30	2.07			
9	Belinda Olmstead	Deputy	Salary and expenses, Feb. 11 to 29	52.20	24.00			
9	Belinda Olmstead <i>et al.</i>	Westchester County	2 animals					
9	do	do	11 animals			40.00		
9	do	do	40 animals			260.00		
9	Louis Meyers <i>et al.</i>	Queens County	14 animals			170.00		1,200.00
9	do	do	16 animals					135.00
9	Daniel Gill	Kings County	1 animal			25.00		



John Noeth et al.	do	5 animals.	155.00	65.00
do	do	3 animals	10.00	
Murtha J. Garry	New York County	1 animal	53.40	
Thomas Beatty	do	2 animals	90.00	
Isaac Frank et al.	do	4 animals		155.00
do	do	7 animals		
James A. Breakell	do	Salary and expenses, Mar.		
Wm. Rose	do	do	136.30	
E. W. Kraft	Deputy	do	153.30	
J. M. Gardner	do	do	82.30	
Jas. Anderson	do	do	30.12	
M. F. Post	do	do	136.30	
W. F. Wiley	Deputy	do	38.92	
J. D. Powell	do	do	85.20	
Wm. Bolmer	do	do	39.37	
Chas. F. Matthews	do	do	34.57	
W. Washburn	do	do	31.14	
E. D. Vaughn	do	do	85.20	
James Wall	do	do	32.42	
Horatio Young	do	do	85.20	
Jas. H. Smith	do	do	32.18	
Rich. Murphy	do	do	85.20	
W. A. Clancy	do	do	15.37	
Jeremiah Connors	do	do	85.20	
W. O. Van Tassel	do	do	14.52	
Henry Bodes	do	do	85.20	
Chas. Magrane	do	do	11.52	
Alex. McGilvray	do	do	85.20	
O. J. Kavanagh	do	do	14.52	
John F. Crown	do	do	4.92	
Thos. L. Mottram	do	do	12.08	
Nicholas Conzet	do	do	11.44	
Wm. Sheehan	do	do	85.20	
W. P. Wallace	do	do	9.58	
Geo. A. Woods	do	do	33.52	
Jas. McCarthy	do	do	5.74	
P. Green	Westchester County	do	85.20	
do	do	30 animals	7.01	
Jacob Helfrich	do	1 animal	85.20	
Chas. Dreyer	Kings County	1 animal	11.83	
S. Strauss & Bro.	do	1 animal	85.20	
Leopold Weil et al.	do	1 animal	85.20	
do	do	30 animals	82.22	
Jas. Martin et al.	do	117 animals	85.20	828.00
I. H. Gentleman	Richmond County	12 animals	23.00	
Wm. M. Smith	do	8 animals	20.00	
do	Queens County	1 animal	25.00	
A. Davis et al.	do	1 animal	713.00	
do	do	4 animals	184.00	
Henry Hesterberg	do	75 animals	30.00	
Jas. McElroy	Deputy	78 animals	13.00	
do	do	Salary for Feb.	2,239.00	
do	do	Salary for Mar.	1,617.73	
do	do	do	79.60	
do	do	do	31.00	

*Expended from the appropriation for 1887-'88, by States—Continued.*  
NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Apr. 11	Alfred May.	Deputy	Salary for Mar.	\$31.00				
11	Gustav L. Cohn.	do	Salary for Mar. 15 to 31	17.00				
12	J. C. Jackson.	do	Salary and expenses, Mar.	136.30	\$93.30			
13	G. W. Gilbert.	do	Salary and expenses, Mar. 19 to 31	42.86	35.78			
13	Wm. J. Holday.	Deputy	Salary and expenses, Mar.	85.20	45.00			
13	L. T. Ball.	do	do	216.00	45.00			
13	D. S. Jacobs.	Deputy	do	85.20	14.78			
13	H. C. Gregory.	Appraiser	Salary and expenses, Mar., 13 days.	65.00	43.21			
13	Bogardus & Ellaby.	New York	Sundries.			\$70.78		
13	Trow's Print. and Bk Bind g Co	do	Stationery			59.50		
13	Cunda & Kane.	do	Lime			110.00		
13	Wing & Evans.	do	Bleaching powder			168.30		
14	N. J. Colman.	do	Expenses, Apr. 9 and 10		10.35			
16	V. Brantingham.	Richmond County	4 animals					\$80.00
16	Jas. Flanagan.	Kings County	1 animal				\$20.00	
16	Owen Conolly.	do	8 animals					160.00
16	Aaron Picard <i>et al</i> .	New York County	2 animals				48.00	
16	Aaron Picard	do	1 animal					20.00
16	Joseph Long.	Queens County	1 animal				35.00	
16	Edw. O'Keefe	do	1 animal				10.00	
16	Alfred Horn <i>et al</i>	do	6 animals				95.00	
16	do	do	10 animals					150.00
16	John Banks	Appraiser	Salary and expenses, Mar., 20 days.	100.00	90.35			
19	Ebenzer Bryant.	Deputy	Salary and expenses, Mar.	85.20	11.23			
19	Townsend Wright	do	do	85.20	9.80	20		
19	Thos. J. Talbot.	do	do	85.20	3.88			
19	Jas. Thompson.	do	do	85.20	2.22			
19	Wm. Ramsey.	do	do	85.20	3.20			
19	Harvey Green.	do	do	85.20	7.50			
19	Jos. J. Hearne.	do	do	85.20	31.22			
19	Benj. Hunt.	do	do	85.20	7.02			
19	Wm. J. Hines.	do	do	85.20	37.62			
19	H. Ehrenspeck.	do	do	85.20	32.32			
19	B. C. Underhill.	do	do	85.20	34.04			
19	Jas. W. Smith.	do	do	85.20	2.16			
19	John Noeth <i>et al</i> .	Kings County	25 animals				465.00	
19	do	do	100 animals					1,512.00
19	Louis Gimpel <i>et al</i> .	do	20 animals				480.00	
19	do	do	55 animals					1,100.00
19	Isaac Frank	New York County	1 animal				10.00	
19	Isaac Frank <i>et al</i> .	do	4 animals				95.00	



19	do	do	5 animals	.....	.....	183.00	98.00
19	Simon Loeb	do	7 animals	.....	.....	.....	.....
19	Simon Loeb <i>et al.</i>	do	31 animals	.....	.....	290.00	584.00
19	Chas. Jagle <i>et al.</i>	Queens County	13 animals	.....	.....	.....	1,030.00
19	do	do	47 animals	.....	.....	428.00	880.00
19	Chas. Story <i>et al.</i>	do	19 animals	.....	.....	.....	.....
19	do	do	40 animals	.....	.....	.....	.....
19	Chas. A. Gleason	Deputy	Salary and expenses, Mar.	.....	85.20	33.58	.....
20	J. C. Shanley	do	do	.....	85.20	30.12	.....
20	Timothy Carney	Queens County	5 animals	.....	.....	100.00	.....
20	Timothy Carney <i>et al.</i>	do	6 animals	.....	.....	.....	111.00
20	Chas. E. Whitson	Kings County	9 animals	.....	.....	253.00	180.00
20	Chas. E. Whitson <i>et al.</i>	do	11 animals	.....	.....	336.00	.....
20	do	do	15 animals	.....	.....	.....	1,014.00
20	do	do	48 animals	.....	.....	.....	.....
20	Thos. M. Farrell	Deputy	Salary and expenses, Feb.	.....	79.60	30.00	.....
21	do	do	Salary and expenses, Mar.	.....	85.20	30.00	.....
21	Jas. F. O'Brien	do	Salary and expenses, Mar.	.....	85.20	3.11	.....
21	Henry Hesterberg	do	do	.....	85.20	.....	.....
21	J. J. Kellum	do	Salary for Mar.	.....	85.20	5.52	.....
21	Geo. Nelson	do	Salary and expenses, Mar.	.....	85.20	2.50	.....
21	Andrew Fringeli	Kings County	5 animals	.....	.....	.....	82.05
23	Andrew Fringeli <i>et al.</i>	do	4 animals	.....	.....	95.00	.....
23	Johanna Gunther	do	10 animals	.....	.....	174.00	352.00
23	Martin Redington	do	8 animals	.....	.....	20.00	.....
23	Frances Oder <i>et al.</i>	Queens County	1 animal	.....	.....	59.00	.....
23	do	do	4 animals	.....	.....	.....	.....
23	Joseph Acton	Deputy	Salary and expenses, Mar. 12 to 31	.....	54.95	1.62	.....
26	John Chester	do	Salary and expenses, Feb.	.....	79.60	3.76	.....
26	John J. Foy	do	Salary and expenses, Mar. 10 to 31	.....	52.75	34.32	.....
26	James Law	do	do	.....	540.00	.50	.....
26	Hoole Manufacturing Co.	New York	Taxes	.....	.....	98.53	.....
26	A. S. Barnes & Co.	do	Stationery, etc.	.....	.....	150.00	.....
27	Daniel Fox	Deputy	Salary and expenses, Mar.	.....	85.20	32.64	.....
27	J. E. Ryler	do	do	.....	136.30	39.97	.....
27	H. B. Parsons	Deputy	Salary and expenses, Apr. 1 to 20	.....	54.95	20.12	.....
27	do	do	Expenses, Jan.	.....	.....	12.12	.....
27	Wm. Thacker	do	Salary and expenses, Mar. 6 to 31	.....	71.43	7.32	.....
19	R. C. Archer	Westchester County	1 animal	.....	.....	20.00	.....
19	do	do	4 animals	.....	.....	88.00	.....
19	do	do	11 animals	.....	.....	.....	272.08
Total for month				.....	\$43,498.47	11,534.21	.....
Salaries, Apr.				.....	2,000.30	.....	.....
Salary and expenses, Mar.				.....	85.20	40.00	.....
do				.....	85.20	1.03	.....
Salary and expenses, Jan. 15				.....	8.00	3.86	.....
Salary and expenses, Feb.				.....	200.00	141.14	.....
Salary for Apr.				.....	123.00	.....	.....
do				.....	82.40	.....	.....
do				.....	82.40	.....	.....
Total for month				.....	1,837.64	776.36	19,802.86
Salaries, Apr.				.....	2,000.30	.....	.....
Salary and expenses, Mar.				.....	85.20	40.00	.....
do				.....	85.20	1.03	.....
Salary and expenses, Jan. 15				.....	8.00	3.86	.....
Salary and expenses, Feb.				.....	200.00	141.14	.....
Salary for Apr.				.....	123.00	.....	.....
do				.....	82.40	.....	.....
do				.....	82.40	.....	.....

May

*Expended from the appropriation for 1887-'88, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.	J. B. Docharty	Clerk	Salary for Apr. 1 to 13	\$35.71				
May	do	do	Salary for Apr. 14 to 30	56.04				
4	John W. Mehl <i>et al.</i>	Kings County	31 animals				\$675.00	\$1,938.77
4	do	do	97 animals				90.00	
4	Chas. E. Whitson <i>et al.</i>	do	4 animals				902.00	
4	do	Queens County	29 animals					1,093.00
4	Fred Kuckuk <i>et al.</i>	do	60 animals				243.00	
4	do	do	7 animals					235.00
4	do	do	9 animals				20.00	
4	John Carey	do	1 animal				20.00	
4	Sarah Collins	do	2 animals				20.00	
4	John Smithwick	do	1 animal				20.00	
4	Patrick Ryan	New York County	do					
4	Max Light	Richmond County	do					
5	N. H. Paaren	do	Salary and expenses, Apr	200.00	\$10.67			
5	John P. Bond	do	do	200.00	13.17			
5	do	do	Expenses, Mar		2.25			
5	Jas. Anderson	Deputy	Salary and expenses, Apr	131.90	11.02			
5	Albert Stern	do	do	82.40	9.94			
5	Jos. J. Hearne	do	do	82.40	2.87			
5	Geo. A. Woods	do	do	82.40	2.72			
7	Jas. A. Breakell	do	do	131.90	114.62			
7	Wm. Rose	do	do	148.30	4.62			
8	Wm. H. Catlin	do	do	250.00	19.42			
9	Adolph Bowers	Deputy	Salary and expenses, Apr 19 to 30	32.97	1.37			
9	A. K. Robertson	do	Salary and expenses, Apr	131.90	3.02			
9	Ch. B. Michener	Deputy	Salary and expenses, Apr, 22 days	176.00	14.47			
9	Wm. J. Mobday	do	Salary and expenses, Apr	82.40	45.00			
9	Henry Bodes	do	do	82.40	5.85			
9	Peter Dickerson	do	do	82.40	3.19			
9	Wm. Sheehan	do	do	82.40	1.92			
9	Daniel Fox	do	Expenses, Feb		30.12			
9	Harvey Ostrander	Disinfecter	Salary for Apr., 15 days	37.50				
11	H. W. Bath	do	Salary and expenses, Apr	148.30	41.02			
11	Wm. Vanderhoff	Deputy	do	131.90	45.00			
11	Wm. Balmer	do	do	82.40	33.14			
11	J. M. Gardner	do	do	82.40	31.72			
11	Daniel Fox	do	do	82.40	31.92			
11	Dan'l S. Jacobs	do	do	82.40	16.67			
11	E. D. Vaughn	do	do	82.40	11.92			
11	O. J. Kavanagh	do	do	82.40	6.79			
11	Alex. McGilvray	do	do	82.40	6.95			



11	Wm. A. Clancy	do	do	82.40	6.05	
11	Rich. Murphy	do	do	82.40	6.21	
11	Jeremiah Connors	do	do	82.40	5.64	
11	Wm. Ramsey	do	do	82.40	1.36	
11	Jas. H. Smith	do	do	82.40	5.38	
11	Wm. Kavanagh	do	Salary and expenses, Apr., 27 days	38.46		
11	do	do	Salary for Feb. 16 to 29	85.20		
11	F. B. Huyler	do	Salary for Mar.	82.40		
11	R. J. Menair	do	Salary for Apr.	82.40		
11	Geo. J. Murphy	do	do	82.40		
12	John J. Foy	do	Salary and expenses, Apr.	98.90	56.22	
12	M. F. Post	Deputy	do	82.40	38.92	
12	J. D. Powell	do	do	82.40	37.92	
12	Wm. J. Hines	do	do	82.40	36.12	
12	Thad. K. Green	do	do	82.40	34.25	
12	J. F. Crown	do	do	82.40	5.88	
12	Wm. Hogan	do	Salary and expenses, Mar.	85.20	4.32	
12	Harvey Green	do	Salary and expenses, Apr.	82.40	5.00	
12	W. P. Wallace	do	do	82.40	1.26	
12	Chas. Magrane	do	do	82.40	12.94	
12	Jas. Bagley	do	do	82.40	11.22	
12	John McCloskey	do	do	82.40	1.93	
12	J. J. Kellum	do	do	82.40	5.72	
12	Jas. W. Smith	do	do	82.40	4.44	
12	Wm. Kavanagh	do	Salary for Apr.	82.40		
14	Troy's Printing and Book-binding Company.	New York	Stationery		\$103.24	
14	Canda & Kane	do	Lime		137.50	
14	E. W. Kraft	Deputy	Salary and expenses, Apr.	82.40	31.26	
14	Jas. Wall	do	do	82.40	12.82	
14	P. Dickerson	do	Salary and expenses, Feb.	79.60	1.98	
14	do	do	Salary for Jan. 23 to 31	24.73		
14	Fred. Drews	do	Salary for Apr. 20 to 30	30.22		
15	J. C. Shandley	do	Salary and expenses, Apr.	82.40	33.40	
15	Ebenezer Bryant	do	do	82.40	15.18	
15	Jos. Fallon	do	do	82.40	11.03	
15	Thos. J. Talbot	do	do	82.40	9.04	
15	J. S. Candee	do	Salary and expenses, Apr. 17 to 30	61.54	4.98	
17	Chas. L. Leopold	Deputy	Salary for Apr. 18 to 30	35.71		
17	E. C. Gregory	Appraiser	Salary and expenses, Apr., 22 days	110.00	83.74	
17	John Banks	do	Salary and expenses, Apr., 23 days	115.00	103.65	
17	P. Dickerson	Deputy	Salary and expenses, Mar.	85.20	1.87	
17	Townsend Wright	do	Salary and expenses, Apr.	82.40	12.30	
17	Jas. F. O'Brien	do	do	82.40	13.17	
17	Jas. Thompson	do	Salary and expenses, Apr., 27 days	74.18	2.92	
17	Jas. McCarthy	do	do	74.18	2.92	
17	Thos. J. Herr	do	Salary and expenses, Apr.	240.00	44.12	
17	Gustav L. Cohn	Deputy	Salary for Apr.	30.00		
17	Alfred May	do	do	30.00		
17	Jas. McElroy	do	do	30.00		
17	Benj. N. Sneider	do	do	82.40		
17	Wing & Evans	New York	Bleaching powder		294.40	

*Expended from the appropriation for 1887-'88, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1883.								
May	Bogardus & Ellaby	New York.	Sundries			\$23.50		
17	John Cartmell	Kings County	1 animal				\$25.00	
17	Sam'l Strauss	do	7 animals				140.00	\$60.00
17	do	do	3 animals				20.00	
17	do	do	1 animal				732.64	
17	Sam'l Strauss <i>et al.</i>	do	36 animals					1,542.04
17	do	do	80 animals				109.00	
17	John Wilhelm <i>et al.</i>	do	9 animals					250.00
17	do	do	12 animals					240.00
17	J. H. Hülker	Queens County	18 animals				360.00	
17	do	do	24 animals				461.00	
17	Thos. Heeg <i>et al.</i>	do	55 animals					925.00
17	do	do	1 animal				10.00	
17	Martin Redington	do	13 animals					160.00
17	Martin Redington <i>et al.</i>	do	4 animals					55.00
17	A. Reinheimer	New York County	1 animal				15.00	
17	do	do	do					33.98
17	K. Fuehrer	do	2 animals				36.00	
17	do	do	1 animal				15.00	
17	Edw. Conklin	Richmond County						15.00
17	Garrett Brown	Westchester County						
18	Thos. G. Willson	Deputy	Salary for Apr. 23 to 30	\$21.98				
18	L. T. Bell	Deputy	Salary and expenses, Apr	200.00	\$45.00			
18	Miles Adams	do	do	82.40	37.62			
18	L. C. Wright	do	do	82.40	36.14			
18	Chas. A. Gleason	do	do	82.40	34.08			
18	C. F. Matthews	do	do	82.40	32.42			
18	W. Thacker	do	do	82.40	11.32			
18	Thos. W. Shute	do	do	82.40	8.02			
18	Benj. Hants	do	do	82.40	6.12			
18	Wm. Deveson	do	Salary for Apr. 20 to 30	30.22				
18	Geo. Nelson	do	Salary and expenses, Apr., 29 days	79.67	2.87			
18	Frank Ketcham	do	Salary and expenses, Mar., 13 days	13.00	1.68			
18	do	do	Salary and expenses, Apr., 25 days	25.00	1.93			
18	W. F. Wiley	do	Salary and expenses, Apr	82.40	37.52			
18	H. J. Palmer	do	Salary and expenses, Apr., 29 days	79.67	32.87			
18	Nicholas Conzel	do	Salary and expenses, Apr	82.40	2.22			
18	Horatio Young	do	do	82.40	12.82			
21	Henry Hesterberg	do	Salary for Apr	82.40				
21	H. J. Palmer	do	Expenses, Mar		30.00			
21	T. L. Mottram	do	Salary and expenses, Apr	82.40	13.32			



21	Wm. Hogan.....	do	do	82.40	11.42			20.00
21	Jos. Acton.....	do	do	82.40	7.62			160.00
21	W. Washburn.....	do	do	82.40	32.18			
21	W. O. Van Tassel.....	do	do	82.40	35.22			
21	Catherine Pearn.....	do	Board disinfecting corps, Feb. to Apr.	82.40	208.15			
21	Thos. F. White.....	Kings County	1 animal					
21	Edwin Highfield.....	do	11 animals					
21	Edwin Highfield <i>et al.</i> .....	do	7 animals					
21	John Carey, Jr., <i>et al.</i> .....	do	9 animals					
21	Chas. Levi <i>et al.</i> .....	do	7 animals					
21	do	do	7 animals					
21	do	do	20 animals					
21	do	Queens County	32 animals					
21	Fatrick Osborne.....	do	4 animals					
21	do	New York County	1 animal					
21	do	do	do					
21	do	do	do					
21	Christ. R. Ahrens.....	Queens County	8 animals					
21	H. S. Townsend.....	Westchester County	do					
22	Jas. Law.....	do	Salary and expenses, Apr.	480.00	11.14	114.48		179.42
22	Thos. M. Farrell.....	Deputy	do	82.40	30.12			
24	Jas. A. Duryea.....	do	Buying cattle, Apr. 3			12.00		
24	Marin J. Keogh.....	do	Professional services	250.00	21.90			
25	Chas. F. Matthews.....	Deputy	Salary and expenses, May 1 to 15	41.21	15.12			
25	I. C. Wright.....	do	do	41.21	6.22			
25	W. Thacker.....	do	do	27.47	10.12			
25	W. O. Van Tassel.....	do	Salary and expenses, May 1 to 10	27.47	10.12			
25	W. Washburn.....	do	do	27.47	10.12			
26	R. A. McLean.....	do	Salary for Apr.	200.00				
26	John McCloskey.....	Deputy	Salary and expenses, May 1 to 15	41.21	2.83			
26	D. S. Jacobs.....	do	do	41.21	7.02			
26	J. D. Powell.....	do	do	41.21	21.12			
26	H. Ehrenspeck.....	do	do	82.40	31.62			
26	J. E. Ryder.....	do	Salary for Apr.	131.90	4.00			
28	Hoole Manufacturing Co.....	New York	Tags			210.00		
28	Willels Conrad.....	do	1 animal					
28	A. Satenstein.....	Queens County	54 animals					
28	do	do	20 animals					
28	C. M. Denison.....	do	1 animal					
28	M. O'Brien.....	Albany County	3 animals					
28	do	New York County	2 animals					
28	M. O'Brien <i>et al.</i> .....	do	3 animals					
29	J. C. Jackson.....	do	Salary and expenses, Apr.	131.90	72.70			
29	Thad. K. Green.....	Deputy	Salary and expenses, May 1 to 15	41.21	20.00			
29	H. C. Gregory.....	Appraiser	Salary and expenses, May, 19 d.ys.	95.00	63.67			
29	A. S. Barnes & Co.....	New York	Stationery			46.97		
31	Sam'l C. Seaman.....	Kings County	39 animals					
31	do	do	10 animals					
31	John Carey, Jr.....	do	3 animals					
31	do	do	do					
June 1	Sidney Shepherd.....	Clerk	Total for month	12,989.97	2,341.40	942.09	6,189.64	10,125.77
June 1	J. B. Docharty.....	do	Salary for May	127.80				
		do	do	102.20				

Expended from the appropriation for 1887-'88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
June 1	F. B. Huyler	Clerk.	Salary for May.	\$85.20				
1	A. C. Shell	do	do	85.20				
1	Jos. J. Hearn	Deputy	do	85.20				
1	Geo. J. Murphy	do	do	85.20				
1	Peter B. Brady	do	Salary for May 10 to 31.	60.44				
1	E. V. Hubbs <i>et al</i>	Kings County	53 animals			\$1,409.00		
4	do	do	122 animals					
8	Wm. H. Catlin	do	Salary and expenses, May	270.00	\$30.00	\$0.41		\$3,067.00
8	Jos. P. Bond	do	do	216.00	24.97	.34		
8	N. H. Cullen	do	do	216.00	11.69			
8	H. W. Bach	do	do	153.40	41.62			
11	Thos. Coyle <i>et al</i>	Disinfectors	Salaries, May	1,304.40				
11	G. W. Gilbert	do	Salary and expenses, Apr.		110.61	239.55		
11	Trow's Printing and Book-binding Company.	New York	Stationery, etc.					
11	Canda & Kane	do	Lime			52.50		
11	The Gutta Percha and Rubber Manufacturing Company.	do	Sundries			36.15		
11	Wing & Evans	do	Bleaching powder.		45.00	228.48		
13	Lucian T. Bell	do	Salary and expenses, May	216.00	45.00			
13	Wm. J. Hobday	Deputy	do	85.20	45.00			
13	C. B. Michener	do	do	216.00	23.56			
13	G. W. Gilbert	do	do	102.20	104.64			
13	H. S. Vanderhoff	do	do	136.20	45.00			
13	Wm. Rose	do	do	153.40	1.70			
13	Jas. Anderson	do	do	136.20	14.24			
13	A. K. Robertson	do	do	136.20	2.82			
13	Daniel Fox	Deputy	do	85.20	30.72			
13	Thos. M. Farrell	do	do	85.20	30.12			
13	Wm. J. Hines	do	Salary and expenses, May, 29 days	79.67	30.12			
13	Albert Stern	do	Salary and expenses, May	85.20	15.66			
13	E. D. Vaughn	do	do	85.20	14.37			
13	Townsend Wright	do	do	85.20	9.52			
13	Jas. H. Smith	do	do	85.20	8.28			
13	Richard Murphy	do	do	85.20	8.52			
13	Henry Bodes	do	do	85.20	8.52			
13	Jeremiah Comors	do	do	85.20	8.08			
13	Joseph Acton	do	do	85.20	4.77			
13	Henry Hesterberg	do	Salary for May	85.20				
13	Wm. Ramsay	do	do	85.20				
13	Benj. Hants	do	Salary for May, 29 days	79.67				



13	Frank Ketcham	do	Salary for May, 27 days	27.00		
13	Jas. A. Breakell	Appraiser	Salary and expenses, May	136.20	109.62	
13	John Banks	Deputy	Salary and expenses, May, 19 days	95.00	87.99	
13	R. J. Menair	do	Salary for May	85.20		
13	B. N. Suedeker	do	Salary for May, 29 days	79.67		
13	Wm. Kavanagh	do	do	79.67		
13	Thos. W. Shute	do	Salary for May, 27 days	74.18		
13	Geo. Nelson	do	Salary for May 1 to 15	41.21		
13	G. L. Cohn	do	Salary for May	31.00		
13	Alfred May	do	do	31.00		
13	Chas. Levi	Queens County	Burying cattle			
13	W. J. Watt	Disinfectors	Salaries, June 1 to 11	269.75	7.00	
18	W. J. Watt	do	Expenses, disinfecting corps, May	248.00	14.52	
19	M. F. Post	Deputy	Salary and expenses, May	85.20	44.44	
19	E. W. Kraft	do	do	85.20	35.88	
19	J. M. Gardner	do	do	85.20	31.26	
19	Chas. A. Gleason	do	do	85.20	30.12	
19	John C. Shandley	do	do	85.20	30.12	
19	E. Bryant	do	do	85.20	30.12	
19	Horatio Young	do	do	85.20	21.42	
19	James Wall	do	do	85.20	18.02	
19	Thos. J. Talbot	do	do	85.20	18.02	
19	Wm. A. Clancy	do	do	85.20	10.80	
19	John Chester	do	Salary and expenses, April	85.20	8.32	
19	Jas. F. O'Brien	do	Salary and expenses, May, 30 days	82.40	10.96	
19	Jas. W. Smith	do	Salaries and expenses, May	82.42	6.52	
19	Thos. L. Mottram	do	Salary for May	85.20	2.42	
19	Thos. G. Willson	do	do	85.20		
19	Fred. Drews	do	do	85.20		
19	Wm. Sheehan	do	do	85.20		
19	Jas. Thompson	do	Salary for May, 30 days	82.42		
19	James McCarthy	do	Salary and expenses, May, 29 days	75.55		
19	H. J. Palmer	do	do	75.55	3.02	
19	John E. Sharkey	do	Salary and expenses, May 1 to 15	41.21	14.64	
19	M. Campbell	do	do	46.70	5.41	
19	O. J. Kavanagh	do	Salary and expenses, May, 17 days	46.70		
19	J. P. Crown	do	Salary and expenses, May 1 to 15	41.21	4.82	
19	N. Gonzet	do	do	41.21	4.07	
19	Wm. Bulmer	do	Salary and expenses, May	85.20	2.60	
19	L. Ehrenspeck	do	do	85.20	33.14	
19	Geo. A. Woods	do	Salary and expenses, May, 30 days	82.42	30.00	
19	W. P. Wallace	do	Salary and expenses, May	85.20	2.42	
19	J. J. Kellum	do	do	85.20	1.26	
19	Harvey Green	do	Salary and expenses, May 1 to 15	41.21	2.42	
19	Mark Skennion	do	do	41.21	2.62	
19	J. S. Candee	do	Salary for May 18 to 31	38.46		
19	M. McKeel	do	Salary and expenses, May	136.20	13.05	
19	Jas. W. Curran	Deputy	Salary and expenses, March, 23 days	63.19	4.32	
19	Wm. Deveson	do	Salary for May 12 to 31	54.95		
19	Chas. L. Leopold	do	Salary for May	85.20		
19	C. W. Nelson	do	Salary and expenses, May	85.20	1.82	
19		do	do	85.20	2.17	

*Expended from the appropriation for 1887-'88, by States—Continued.*  
NEW YORK—Continued.

Date.	Name	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
June 19	Chas. Magrane.....	Deputy	Salary and expenses, May	\$85.20	\$10.01			
19	Jos. Fallon.....	do	do	85.20	8.27			
19	Adolph Bevers.....	do	do	85.20	9.10			
19	Jas. Bagley.....	do	do	85.20	10.67			
19	W. F. Wiley.....	do	Salary and expenses, May, 24 days.	65.93	31.97			
19	John J. Foy.....	do	Salary and expenses, May	102.20	78.52			
19	J. C. Jackson.....	do	do	136.20	75.90			
19	T. J. Blair.....	New York	Office furniture.....			\$37.75		
19	do	do	do			23.00		
19	Bogardus, Ellaby & Ellsworth.	Sundries	do			24.65		
19	N. Kirkland.....	Disinfectior	Salary for June, 9 days	20.25				
19	M. McKeel.....	Deputy	Salary for April	82.40				
19	Wm. H. Hermann.....	Disinfectior	Salary for June, 8 days.	18.00				
19	M. McKeel.....	Deputy	Salary for June, 12 days.	32.97				
19	Jas. McElroy.....	do	Salary for May	31.00				
20	Gleason & Bailey Mfg. Co.....	New York	Sundries			6.40		
20	Askin & Co.....	do	Office sign			2.25		
21	P. Dickerson.....	Deputy	Salary and expenses, May	85.20	2.03			
21	Frank Ketcham.....	do	Salary for June, 11 days	11.00				
22	Miles Adams.....	do	Salary and expenses, May, 20 days.	54.95	22.40			
27	James Law.....	do	Salary and expenses, May	54.00	23.36	153.83		
27	do	do	Expenses, April and March.		15.92	1.63		
27	Wm. Hogan.....	Deputy	Salary and expenses, May	85.20	5.12			
27	Chas. Magrane.....	do	Salary and expenses, June 1 to 13	35.71	3.82			
27	E. D. Vaughn.....	do	Salary and expenses, June 1 to 5.	13.74	2.52			
27	A. S. Barnes & Co.....	New York	Stationery, May			4.51		
29	R. A. McLean.....	do	Salary and expenses, May	216.00	144.34	9.00		
29	do	do	Salary and expenses, March	224.00	98.37			
30	J. S. Candee.....	Deputy	Salary and expenses, June 1 to 13.	57.14	5.82			
30	Wm. A. Clancy.....	do	do	35.71	4.65			
30	Richard Murphy.....	Clerk	Salary for June 1 to 13	35.71	4.65			
30	C. W. Neilson.....	do	Salary for June	123.60				
30	Sidney Shepley.....	do	do	98.00				
30	J. B. Docharty.....	do	Salary and expenses, June, 15 days.	120.00	2.77			
30	Ch. B. Michener.....	do	Expenses, May 14		4.10			
30	D. E. Salmon.....	Deputy	Salary for June 1 to 13	35.71				
30	Jos. J. Hearne.....	do	Salary for June 1 to 5	13.74				
30	Thos. W. Shute.....	do	Salary for June 1 to 13	35.71				
30	R. J. Menair.....	do	Salary for June	82.40				
30	Geo. J. Murphy.....	Clerk	do	82.40				
30	F. B. Huyler.....	do	do	82.40				



Month	Name	Position	Salary for June 1 to 13	Total for month	1,899.97	827.45	\$1,409.00	\$3,057.00
June 30	G. L. Cohn	Deputy	13.00					
June 30	Jas. McElroy	do	13.00					
June 30	Alfred May	do	13.00					
July	N. H. Paaren	Deputy	88.00					
6	Adolph Bevers	New York	35.71					
6	Canda & Kane	Queens County						
9	Michael Gritun	do						
9	I. H. Gentlemen	do						
9	I. H. Gentlemen <i>et al.</i>	do						
9	Chas. H. Ryan	Kings County						
9	do	do						
9	do	do						
9	do	do						
9	do	do						
9	do	do						
9	do	do						
10	Thos. M. Farrell	Deputy	35.71					
10	G. W. Gilbert	do	42.86					
10	J. E. Ryder	New York	136.20					
10	H. D. Young	Deputy						
11	Jos. Fallon	do						
11	Wm. Rose	do						
11	Henry Bodes	Deputy	82.40					
11	Thos. G. Willson	do	64.29					
11	John J. Foy	do	35.71					
11	J. E. Sharkey	Deputy	38.46					
11	M. Campbell	do						
11	Chas. L. Leopold	do	62.64					
11	Jas. McCarthy	do	35.71					
11	Wm. Ramsey	do	35.71					
11	Jos. McMunnigle	Hicksville	35.71					
11	Christoph Yagle	do	32.97					
11	Jas. Anderson	do						
11	John P. Bond	do						
11	Wm. Hogan	Deputy	131.90					
11	Jas. Bagley	do	208.00					
11	J. C. Staudley	do	82.40					
11	E. W. Kraft	do	68.68					
11	Jas. Wall	do	68.68					
11	A. K. Robertson	do	16.48					
11	Wm. J. Hobday	Deputy	13.74					
11	Wm. Bulmer	do	131.90					
11	Chas. A. Gleason	do	82.40					
11	Jas. F. O'Brien	do	33.14					
11	Jeremiah Connors	do	30.12					
11	Geo. A. Woods	do	82.40					
11	Wm. Deveson	do	7.68					
11	W. E. Kavanagh	do	4.63					
11	H. Hesterberg	do	82.40					
11	P. B. Brady	do	2.72					
11		Salary for June 1 to 5	13.74					
11		Salary for June 1 to 13	35.71					
11		Salary for June 1 to 12	32.97					

*Expended from the appropriation for 1887-'88, by States—Continued.*  
NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
July 11	B. N. Snedeker.....	Deputy	Salary for June 1 to 5.....	\$13.74	.....	.....	.....	.....
11	W. P. Wallace.....	do	do	13.74	.....	.....	.....	.....
11	Thos. L. Mottram.....	do	do	13.74	.....	.....	.....	.....
11	Jos. Acton.....	do	Salary for June.....	82.40	.....	.....	.....	.....
11	Fred. Drevs.....	do	Salary for June, 29 days.....	79.67	.....	.....	.....	.....
13	T. J. Talbot.....	do	Salary and expenses, June.....	82.40	\$31.10	.....	.....	.....
13	Jas. H. Smith.....	do	do	82.40	5.55	.....	.....	.....
13	Jas. W. Smith.....	do	do	82.40	3.35	.....	.....	.....
13	P. Dickerson.....	do	Salary for June.....	82.40	.....	.....	.....	.....
13	H. Ehrenspeck.....	do	Salary and expenses, June 1 to 13.....	35.71	13.00	.....	.....	.....
13	Miles Adams.....	do	do	35.71	13.12	.....	.....	.....
13	N. Conzet.....	do	Salary and expenses, June, 11 days.....	30.22	1.92	.....	.....	.....
13	H. Young.....	do	Salary and expenses, June, 28 days.....	76.92	30.00	.....	.....	.....
13	Daniel Fox.....	do	Salary and expenses, June, 12 days.....	32.97	13.12	.....	.....	.....
13	Albert Stern.....	do	Salary and expenses, June.....	82.40	12.43	.....	.....	.....
14	E. H. Palmer.....	do	Salary and expenses, Apr.....	85.20	9.16	.....	.....	.....
14	do	do	Salary and expenses, May.....	82.40	3.12	.....	.....	.....
14	do	do	Salary and expenses, June.....	208.00	45.00	.....	.....	.....
14	Lucian T. Bell.....	Deputy	Salary for June 1 to 6.....	16.43	.....	.....	.....	.....
14	Benj. Hants.....	do	Salary and expenses, June 1 to 7.....	19.23	8.29	.....	.....	.....
14	M. F. Post.....	do	Salary for June.....	260.00	.....	.....	.....	.....
16	Wm. H. Catlin.....	Deputy	Salary and expenses, June.....	82.40	25.00	.....	.....	.....
16	J. W. Curran.....	do	Salary and expenses, June 1 to 13.....	64.29	41.03	.....	.....	.....
16	E. Bryant.....	Deputy	Salary and expenses, June 1 to 14.....	38.46	8.82	.....	.....	.....
16	T. Wright.....	do	do	38.46	6.72	.....	.....	.....
16	Jas. Thompson.....	do	Salary for June 1 to 5.....	13.74	.....	.....	.....	.....
16	Trow's Printing & Bookbinding Company.....	New York	Stationery, etc.....	.....	.....	\$195.95	.....	.....
16	Gleason & Bailey Mfg Co.....	do	Piston-rods, etc.....	520.00	2.78	3.00	.....	.....
18	James Law.....	do	Salary and expenses, June.....	1.47	.....	1.47	.....	.....
18	do	do	Expenses, May 2 to 11.....	11.00	20.12	.....	.....	.....
20	James Hyatt.....	Deputy	Salary and expenses, June.....	82.40	6.12	.....	.....	.....
20	do	do	Salary and expenses, May 17 to 31.....	41.21	82.15	.....	.....	.....
20	J. C. Jackson.....	Deputy	Salary and expenses, June.....	131.90	3.12	.....	.....	.....
20	Wm. Sheehan.....	do	Salary and expenses, June, 28 days.....	76.92	44.28	.....	.....	.....
21	Thos. J. Herr.....	do	Salary and expenses, June.....	240.00	72	.....	.....	.....
21	C. B. Michener.....	do	Salary and expenses, June, 6 days.....	48.00	45.00	.....	.....	.....
23	H. S. Vanderhoff.....	do	Salary and expenses, June.....	131.90	.....	.....	.....	.....
23	W. F. Wiley.....	Deputy	Salary and expenses, June, 4 days.....	10.99	5.12	.....	.....	.....
26	N. H. Pharen.....	do	Salary and expenses, June 14 to 30.....	120.00	6.97	.....	.....	.....



Salary and expenses, June.....	131.90	78.00		
Salary and expenses, June 14 to 30.....	74.73	2.62		
Total for month.....	5,540.70	942.10	286.67	765.00
Salary and expenses, June.....	131.90	25.65		
Salary and expenses, May 1 to 15.....	41.21	7.33		
Dis. corps and misc. exp., Apr. to June.....		27.60	24.56	
Office rent, June.....			108.32	
Salary for June 1 to 5.....	13.74			
Salary and expenses, June.....	208.00	194.01		
Total for month.....	394.85	194.59	132.88	
Telephone service, June.....			1.15	
Sheriff's services, May 24.....			39.32	
1 animal.....				20.00
6 animals.....				130.00
1 animal.....				15.00
Total for month.....			40.47	165.00
Grand total.....	71,340.96	13,404.46	6,505.39	29,828.88
				60,492.87

## NEW JERSEY.

		Disbursed to Nov. 30.....	2, 395.99	1, 131.56	156.05	1, 920.00	2, 496.00
1887.	John Newmyer et al.....	Middlesex County.....					
Dec.	do	do					
3	B. D. Phillips	Clerk					
8	H. W. Rowland	Salary for Nov.....	68.40			180.00	460.00
12	W. B. E. Miller	Salary and expenses, Nov.....	114.20	45.75			
14	Wm. Dimond	do	200.00	91.61			
16	Terry Clancy	do	146.80	121.71	43.28		
22	do	4 animals				100.00	
22	do	8 animals					260.00
22	do	3 animals				75.00	
3	H. Feinberg	Total for month.....	\$1,906.75	259.07	43.28	355.00	720.00
1888.	B. D. Phillips	Salary for Dec.....	70.80				
Jan.	Jas. Law	Salary and expenses, Dec., 5 days.....	20.00	3.80			
7	W. B. E. Miller	Salary and expenses, Dec.....	216.00	58.54			
11	John Corcoran	Salary and expenses, Dec.....					325.00
11	do	11 animals				165.00	
11	do	7 animals					
12	Wm. Dimond	Salary and expenses, Dec.....	108.50	146.71	60.51		
13	E. L. Loblein	Salary and expenses, Dec. 10 to 31.....	70.00	28.88			
13	A. C. Young	Salary and expenses, Dec. 6 to 31.....	113.06	138.95			
19							

*Expended from the appropriation for 1887-'88, by States—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888. Jan. 19	H. W. Rowland		Salary and expenses, Dec.	\$117.90	\$46.40			
			Total for month.....	776.26	423.28	\$60.51	\$165.00	\$325.00
Feb.	E. L. Loblein.		Salary and expenses, Jan., 16 days	80.00	33.00			
7	W. B. E. Miller.		Salary and expenses, Jan.	200.00	53.15			
7	A. C. Young	Clerk	do	136.30	91.42			
7	B. D. Phillips		Salary for Jan.	71.50				
11	Wm. Dimond		Salary and expenses, Jan.	170.30	83.50	135.05		
11	do		Expenses, Dec.			30.00		
8	H. Feinberg.	Hudson County	2 animals				50.00	
17	Jas. A. Walrath.		Salary and expenses, Jan. 4 to 22	93.96	44.35			
18	James Law		Salary and expenses, Jan. 17	20.00	3.70			
18	H. W. Rowland		Salary and expenses, Jan.	119.20	46.65			
			Total for month.....	891.26	355.77	165.05	50.00	
Mar.	B. D. Phillips	Clerk.	Salary for Feb.	79.60				
6	A. C. Young		Salary and expenses, Feb.	127.40	76.40			
7	W. A. Willard		Salary and expenses, Feb. 13 to 26	53.87	43.07			
10	Sam'l S. Fry <i>et al.</i>	Warren County	8 animals			156.00		
10	do	do	5 animals					175.00
10	Wm. F. Fisher	Middlesex County	2 animals					55.00
10	Wm. F. Fisher <i>et al.</i>	do	3 animals			75.00		
10	Mary Hanan <i>et al.</i>	Hudson County	7 animals			140.00		
10	do	do	6 animals			135.00		
10	Henry Bracht	do	1 animal					30.00
10	John Floetz	do	4 animals					120.00
10	do	do	do			85.00		
12	John Roberts	Deputy	Salary and expenses, Feb. 8 to 29	60.44	13.45			
12	E. L. Loblein.		Salary and expenses, Feb., 17 days	85.00	29.61			
14	Catherine McMann.	Hudson County	4 animals					125.00
14	do	do	3 animals			75.00		
14	The Gutta-Percha & Rubber Manufacturing Company.	New York	Sundries, Feb.			57.93		
14	Boradnus & Ellaby	do	do			42.75		
14	Wing & Evans	do	Bleaching powder			27.50		
14	Washington Bros.	Jersey City	Lime			13.75		
15	W. B. E. Miller.		Salary and expenses, Feb.	192.00	51.70			
16	Andrew Garling	Deputy	Salary and expenses, Feb. 9 to 29	57.69				
19	James Law		Salary and expenses, Feb. 29	20.00	4.35			



Mar.	19	D. E. Salmon	Deputy	Expenses, Feb. 13 and 14	12.60				
	19	Peter Girth		Salary and expenses, Feb. 15 to 29	41.21				2.45
	19	J. J. Clarke	do	Salary and expenses, Feb. 9 to 29	57.69				4.20
	19	Patrick Buckley	do	do	57.69				1.42
	19	Thos. Lenihan	do	do	57.69				1.42
	19	Hood Manufacturing Co	New York	Tags	75.00				
	20	H. W. Rowland		Salary and expenses, Feb.	111.60				50.60
	20	H. D. Gill	New York	Salary and expenses, Feb. 7 to 29	101.10				33.02
	23	A. S. Barnes & Co.	do	Stationery, etc					137.36
	23	Gleason & Bailey Mfg. Co	do	Master pump					33.00
	23	Wm. H. Mook	Hudson County	Salary and expenses, Feb. 7 to 29	101.10				3.27
	24	H. Feinberg et al.	do	49 animals					1,210.00
	24	do	do	94 animals					395.00
	24	H. W. Brickwell et al.	do	17 animals					
	24	do	do	31 animals					835.00
	24	Aaron Horner et al.	Middlesex County	2 animals					45.00
	24	do	do	1 animal					
	24	Wm. Dimond		Salary and expenses, Feb.	159.40				168.39
	27			Total for month	1,363.48	443.56	557.68	2,316.00	4,090.00
Apr.	7	John Roberts	Deputy	Salary and expenses, Mar.	85.20	36.15			
	7	A. C. Young	do	do	136.30	63.88			
	7	E. A. Vreeland		Salary and expenses, Mar. 12 to 31	76.92	72.00			
	7	W. A. Willard	Clerk	Salary and expenses, Mar.	88.44	36.50			
	7	B. D. Phillips	do	Salary for Mar.	85.20				
	7	Seneca Barker	do	do	71.50				
	7	do	do	do					
	11	W. B. E. Miller		Salary for Feb. 28 and 29	4.62				
	11	Julius Huelsen	Middlesex County	Salary and expenses, Mar.	208.00	66.69			
	11	Geo. Such	do	Salary and expenses, Mar. 15 to 31	65.38	37.60			
	11	Nathan Kahn et al.	Hudson County	14 animals					840.00
	11	do	do	do					325.00
	11	E. L. Loblein		26 animals					665.00
	12	P. Buckley	Deputy	Salary and expenses, Mar., 16 days	80.00	33.01			
	12	Thos. Lenihan	do	Salary and expenses, Mar.	85.20	2.00			
	12	Simon Kelly	do	do	85.20	2.00			
	12	do	do	do	85.20	4.80			
	13	W. W. Curry		Salary and expenses, Feb. 10 to 29	54.95	13.95			
	16	H. Naas	Hudson County	Salary and expenses, Mar. 17 to 31	57.69	63.05			
	16	J. N. Pidcock	Hunterdon County	8 animals					180.00
	16	Andrew Garling	Deputy	1 animal					20.00
	19	John Mulquency	do	Expenses, Feb.					
	19	Andrew Garling	do	Salary and expenses, Mar.	85.20	3.35			
	19	Peter Girth	do	do	85.20	2.65			
	19	H. D. Gill	do	do	85.20	6.95			
	19	J. J. Clarke	do	do	85.20	3.45			
	19	Geo. Such	Middlesex County	do	136.30	122.77			
	19	Wm. H. Mook	do	do	85.20	2.65			
	20	Louis Ulrich et al.	Hudson County	8 animals					480.00
	21	do	do	Salary and expenses, Mar.	136.30	63.45			
	21	do	do	31 animals					690.00
	21	do	do	21 animals					645.00
	24	Abraham Leventhal	Bergen County	26 animals					730.00

*Expended from the appropriation for 1887-'88, by States—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
Apr. 24	Abraham Leventhal	Bergen County	12 animals				\$240.00	
24	Joseph Uebbing	Hudson County	4 animals				90.00	
24	do	do	8 animals					\$280.00
24	Wm. Naphas	Camden County	1 animal				20.00	30.00
24	do	do	do					
26	Wm. Martin <i>et al.</i>	Disinfectors	Salaries, Mar.	\$676.25				
26	G. Seide	Deputy	Salary and expenses, Mar.	85.20	\$4.10			
26	do	do	Salary and expenses, Feb. 6 to 29	65.63	3.85			
26	H. W. Rowland	do	Salary and expenses, Mar.	119.20	48.00			
			Total for month	2,829.78	692.85		2,405.00	2,830.00
May 4	W. A. Willard	Clerk	Salary, Apr. 1 to 10	38.47				
4	C. Teehan	Deputy	Salary and expenses, Apr. 13 to 30	49.44	6.40			
4	R. R. Lettis	do	do	49.44	6.40			
4	A. C. Young	do	Salary and expenses, Apr.	131.90	64.30			
4	Wm. H. Mook	do	do	131.90	46.65			
4	E. A. Vreeland	do	do	115.40	65.25			
4	Seneca Barker	Clerk	Salary for Apr.	69.20			25.00	
4	Jacob Hecht	Hudson County	1 animal					
5	B. D. Phillips	Clerk	Salary for Apr.	82.40				
7	W. W. Curry	do	Salary and expenses, Apr.	115.40	82.75			
10	H. Feinberg	Bergen County	59 animals				740.00	1,680.00
10	H. Feinberg <i>et al.</i>	do	34 animals				310.00	
10	Wm. M. Hancock	Salem County	10 animals				150.00	140.00
10	do	do	4 animals				25.00	
10	J. N. Pidcock	Hunterdon County	1 animal					
10	Nellie Conway	Hudson County	do					
10	Edward Carroll	do	do	200.00	81.87			
12	W. B. E. Miller	do	Salary and expenses, Apr.	980.00				655.00
15	Andrew Rae <i>et al.</i>	Disinfectors	Salaries, Apr.					
15	Emil Mayer	Bergen County	23 animals					
17	W. Dimond	do	Salary and expenses, Mar.	170.30	104.71	\$70.46		
17	H. D. Gill	do	Salary and expenses, Apr.	131.90	48.25			
17	P. J. Carlin	Deputy	Salary and expenses, Apr. 12 to 30	52.20	8.95			
17	do	do	Salary and expenses, Apr. 10 to 30	57.69	3.95			
17	A. Kattenstroth	do	Salary and expenses, Apr.	82.40	2.75			
17	John Mulqueeny	do	do	2.15	82.40			
17	Thos. Lenihan	do	do	82.40	8.45			
17	Peter Girth	do	do	82.40	6.45			
17	G. Seide	do	do	82.40	2.75			
17	J. J. Clarke	do	do	82.40				



17	P. Buckley.	do	do	82.40	2.15	
17	Gustav Hauser	do	Salary and expenses, Apr. 23 to 30.	21.98	2.05	
17	Simon Kelly	do	Salary and expenses, Apr.	82.40	32.65	
17	John Roberts	do	do	82.40	65.90	
17	E. L. Loblein	do	Salary and expenses, Apr., 16 days	80.00	33.17	
17	Andrew Garling	Deputy	Salary and expenses, Apr.	82.40	20.20	
17	E. F. Gorman	do	Salary and expenses, Apr. 9 to 30.	60.44	25.50	
17	G. W. Garretson	do	do	60.44	21.75	
17	Maurice Walsh	do	do	60.44	6.05	
17	Robt. Quinlan	do	do	60.44	3.40	
17	J. S. Miller	do	Salary and expenses, Apr. 17 to 30.	38.46	2.25	
17	Garret Haley	do	Salary and expenses, Apr. 28 to 30.	21.98	.95	
17	Wing & Evans	New York	Bleaching powder		84.69	
17	Bogardus & Ellaby	do	Sundries		21.00	
17	Gleason & Bailey	do	do		6.00	
17	using Company.	do	do		9.19	
17	A. S. Barnes & Co.	do	Tags		75.00	
17	Hoole Manufacturing Co	do	Line		191.35	
17	Washington Brothers	Jersey City	Salary and expenses, Apr. 10 to 30.	80.77	71.00	
18	John R. Chattin	Appraiser	Salary and expenses, Apr. 9 to 30.	84.62	5.45	
18	Ferd. Heintze.	do	Salary and expenses, Apr. 10 to 30.	57.69	14.55	
18	Henry Poynton	Deputy	Salary and expenses, Apr.	115.40	46.40	
18	H. W. Rowland	do	Salary and expenses, Apr. 17 to 30.	53.85	2.75	
18	M. J. Coyle	Appraiser	Salary and expenses, Apr. 23 to 30.	21.98	1.75	
18	John E. Carr	Deputy	1 animal		25.00	
18	John Hartung	Warren County	do		20.00	
18	Jacob Israelson	Hudson County	do		1,375.00	
18	Jas Condon <i>et al.</i>	do	49 animals			3,810.00
18	do	do	131 animals			
21	W. Dimond	do	Salary and expenses, Apr.	164.80	96.70	
21	Julius Huelson	New York	do	115.40	32.45	
21	Gleason & Bailey	do	Sundries		100.55	
21	using Company.	do	do			
21	W. Carroll	Hudson County	1 animal		25.00	
21	A. Lieberman	do	29 animals		797.00	
21	do	do	64 animals			
21	G. H. Higgins <i>et al.</i>	Burlington County	4 animals		60.00	
21	do	do	5 animals			
21	Jervis Hires	Salem County	1 animal		1	
24	John R. Chattin	Appraiser	Salary and expenses, May 1 to 17	65.38	41.40	
24	Ferd. Heintze	do	do	65.38	2.90	
24	M. J. Coyle	do	do	65.38	2.50	
June 6	Andrew Rae <i>et al</i>	Disinfectors	Total for month	4,412.07	1,072.90	8,192.00
7	R. R. Outcalt	New Brunswick	Salaries, May	1,662.50		
8	W. Dimond	do	Line		33.35	
8	A. C. Young	do	Salary and expenses, May	170.40	179.50	
8	W. H. Mook	do	do	136.20	84.00	
8	H. W. Rowland	do	do	136.20	47.70	
8	do	do	do	119.20	46.50	

June 6

*Expended from the appropriation for 1887-'88, by States—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
June 8	W. W. Curry.....		Salary and expenses, May	\$119.20	\$45.25			
8	E. L. Loblain.....		Salary and expenses, May, 20 days	100.00	40.13			
8	Julius Huelsein.....		Salary and expenses, May	119.20	8.15			
8	G. W. Garretson.....	Deputy	do	85.20	37.55			
8	E. F. Gorman.....	do	do	85.20	35.10			
8	J. J. Clarke.....	do	Salary and expenses, May 1 to 24	65.93	4.15			
8	Gustav Hanser.....	do	do	65.93	3.65			
8	P. Buckley.....	do	do	65.93	2.55			
8	J. C. Carr.....	do	do	65.93	2.80			
8	B. D. Phillips.....	Clerk	Salary for May	85.20				
8	Seneca Barker.....	do	do	71.60				
8	C. D. Noonan.....	do	do	71.60				
15	W. B. E. Miller.....		Salary and expenses, May	216.00	82.60			
15	H. D. Gill.....		do	136.20	56.00			
15	John Roberts.....	Deputy	do	85.20	57.10			
15	E. A. Vreeland.....		do	119.20	46.05			
15	Andrew Garling.....	Deputy	do	85.20	20.15			
15	A. Kart-nstroth.....	do	do	85.20	18.00			
15	Simon Kelly.....	do	do	85.20	16.10			
15	Henry Poynton.....	do	do	85.20	15.20			
15	C. Teelhan.....	do	do	85.20	11.32			
15	R. R. Lettis.....	do	do	85.20	11.32			
15	P. J. Carlin.....	do	do	85.20	7.55			
15	M. Walsh.....	do	do	85.20	7.25			
15	G. Seide.....	do	do	85.20	6.65			
15	Peter Girlh.....	do	do	85.20	6.00			
15	Garret Haley.....	do	do	85.20	5.65			
15	Robt. Qumlan.....	do	do	85.20	5.15			
15	J. S. Miller.....	do	do	85.20	4.85			
15	Thos. Lenihan.....	do	do	85.20	3.35			
15	John Mulqueeny.....	do	do	85.20	2.95			
20	The Gutta-Percha and Rubber Manufacturing Company.....	New York.	Valves.	85.20		\$1.25		
30	D. E. Salmon.....		Expenses, May 12 and June 5		3.92			
			Total for month.....	5,060.02	924.19	92.80		
July 6	B. D. Phillips.....	Clerk	Salary for June.....	82.40				
6	Seneca Barker.....	do	do	69.20				
9	C. D. Noonan.....	do	do	69.20				
	Andrew Rae <i>et al</i> .....	Disinfectors.	Salaries, June.....	104.50				



9	E. A. Vreeland.....	Deputy	Salary and expenses, June.....	115.40	45.25	.....
9	E. F. Gorman.....	.....	do.....	82.40	43.70	.....
9	H. W. Rowland.....	.....	Salary and expenses, June 1 to 13.....	50.00	19.75	.....
9	C. Teehan.....	Deputy	do.....	35.71	3.31	.....
9	John Mulqueeny.....	do	do.....	35.71	2.90	.....
9	G. Soide.....	do	do.....	35.71	3.20	.....
9	P. Carlin.....	do	do.....	35.71	2.85	.....
9	Henry Poynton.....	do	Salary and expenses, June 1 to 4.....	10.99	3.75	.....
9	H. D. Gill.....	do	Salary and expenses, June 1 to 13.....	57.14	19.75	.....
9	W. H. Mook.....	.....	do.....	57.14	19.75	.....
9	E. L. Lobtein.....	.....	Salary and expenses, June, 5 days.....	25.00	10.45	.....
9	Thos. Lenihan.....	Deputy	Salary and expenses, June 1 to 13.....	35.71	2.90	.....
9	W. W. Curry.....	.....	Salary and expenses, June.....	115.40	45.25	.....
9	John Roberts.....	Deputy	do.....	82.40	49.55	.....
9	G. W. Garretson.....	do	do.....	82.40	20.20	.....
9	Robt. Quinlan.....	do	do.....	82.40	22.49	.....
9	Simon Kelly.....	do	do.....	82.40	17.05	.....
9	Andrew Garling.....	do	Salary and expenses, June.....	82.40	16.40	.....
9	Peter Girth.....	do	do.....	82.40	12.55	.....
9	A. Kattenstroth.....	do	do.....	82.40	12.55	.....
9	R. R. Letts.....	do	do.....	82.40	12.21	.....
9	Garret Haley.....	do	do.....	82.40	7.10	.....
9	Jas. S. Miller.....	do	do.....	82.40	4.50	.....
9	Maurice Walsh.....	do	Salary and expenses, June 1 to 13.....	35.71	3.30	.....
10	A. C. Young.....	do	Salary and expenses, June.....	131.90	73.55	.....
10	W. Dimond.....	do	do.....	164.80	39.29	.....
10	Julius Huelson.....	do	do.....	115.40	8.55	.....
10	W. B. E. Miller.....	do	Salary and expenses, June, 6 days.....	48.00	28.72	.....
14	Washburn Bros.....	Jersey City	Lime, May.....	.....	79.50	.....
Aug 20	A. S. Barnes & Co.....	New York	Total for month.....	2,337.13	600.49	.....
20	Gleason & Bailey Mfg Co.....	do	Stationery, May.....	.....	118.79	.....
25	Peter Taylor.....	Jersey City	Sundries, May.....	.....	3.15	.....
			Janitor's services, June.....	.....	10.00	.....
			do.....	.....	3.00	.....
			Total for month.....	.....	16.15	.....
			Grand total.....	20,595.39	5,963.67	.....
				.....	1,869.78	\$10,788.00 \$18,653.00

## PENNSYLVANIA.

1887, Dec. 8	W. H. Rose.....		Disbursed to Nov. 30.....	\$44.05	20.05	.....
12	James Law.....		Salary and expenses, Nov.....	208.00	73.75	.....
16	M. R. Trumbower.....		Salary and expenses, Nov. 27 to 29.....	40.00	14.50	.....
			Salary and expenses, Nov.....	208.00	83.73	.....
			Total for month.....	\$207.98	171.98	.....

Expended from the appropriation for 1887-'88, by States—Continued.

## PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Jan. 7	James Law		Salary and expenses, Dec. 20 to 21	\$40.00	\$11.50	\$0.40		
11	M. R. Trumbower		Salary and expenses, Dec.	216.00	39.40			
11	W. H. Rose		do	208.00	27.80			
			Total for month	464.00	78.70	.40		
Feb. 7	W. H. Rose		Salary and expenses, Jan.	200.00	65.66			
7	M. R. Trumbower		do	200.00	74.90			
			Total for month	400.00	140.56			
Mar. 5	W. H. Rose		Salary and expenses, Feb.	192.00	29.45			
8	M. R. Trumbower		do	200.00	59.76			
31	Daniel C. Hatch	Clerk.	Salary, Mar. 24 to 31	26.37				
			Total for month	418.37	89.21			
Apr. 7	M. R. Trumbower		Salary and expenses, Mar.	208.00	9.69			
11	W. H. Rose		do	216.00	4.06			
12	Daniel G. Hatch	Clerk.	Salary and expenses, Mar. 27 to 31	27.47				
12	Wm. S. Devoc		Expenses, Mar. 29 to 31		18.20	42.28		
12	do		Expenses, Apr. 1 to 5		9.55			
14	Norman J. Colman		Expenses, Apr. 7 to 8		19.70			
21	G. Bowers	Philadelphia County	5 animals		14.00			\$135.00
21	do	do	4 animals					
30	The Gutta-Percha and Rubber Manufacturing Company.	New York	Sundries			38.44	\$97.00	
30	do	do	do					
30	Hollingsworth & Peterson	Philadelphia	Chloride lime			1.00		
30	Hoslo Manufacturing Co.	New York	Tags			25.90		
30	Geo. Spencer & Co.	Philadelphia	Office furniture			150.00		
30	Joe H. Mann	do	Stationery			76.25		
30	Bogardus & Ellaby	New York	Sundries			37.02		
			Total for month	451.47	75.20	490.39	97.00	135.00
May 4	Daniel G. Hatch	Clerk	Salary for Apr.	108.24				
4	W. A. Willard	do	Salary and expenses, Apr. 11 to 20	76.93	21.87			
5	W. A. Swayne	Philadelphia	Office rent, Apr.			50.00		
5	Gleason & Bailey Mfg. Co.	New York	Master pump			35.00		
5	Harvey Ostrander et al.	Disinfectors, etc	Salaries, Apr. 19 to 30	152.29				



7	W. H. Rose	Deputy	Salary and expenses, Apr	200. 00	4. 59	4. 59
7	Isaac Brown	do	Salary and expenses, Apr. 12 to 30	52. 20	6. 59	6. 59
7	Daniel Seull	do	Salary and expenses, Apr. 14 to 30	45. 70	3. 34	3. 34
7	J. J. Owens	do	Salary and expenses, Apr. 13 to 30	49. 45	4. 56	4. 56
7	J. M. Monks	do	Salary and expenses, Apr. 14 to 30	46. 70	2. 29	2. 29
7	A. J. Fricka	do	Salary and expenses, Apr. 23 to 30	21. 98	1. 47	1. 47
7	Geo. W. Schwartz	Philadelphia County	14 animals	343. 50		221. 50
7	do	do	21 animals	83. 00		
7	Andrew J. Daymon	do	3 animals			
7	do	do	6 animals			
7	W. H. Janney	Deputy	Salary and expenses, Apr. 13 to 30	49. 45	2. 87	2. 87
8	Henry Morse	do	Salary and expenses, Apr. 14 to 30	46. 70	3. 34	3. 34
8	J. J. Treston	do	Salary and expenses, Apr. 24 to 30	19. 23	1. 57	1. 57
8	Jas. McDermott	do	Salary and expenses, Apr. 14 to 30	46. 70	2. 77	2. 77
8	T. A. Maher	do	Salary and expenses, Apr., 17 days	46. 70	4. 20	4. 20
8	E. Santman	do	Salary and expenses, Apr., 14 days	38. 46	3. 16	3. 16
8	Geo. Carter	do	Salary and expenses, Apr. 10 to 30	57. 69	4. 87	4. 87
8	M. R. Trumbower	do	Salary and expenses, Apr.	200. 00	47. 29	47. 29
8	C. L. Hartman	Deputy	Salary and expenses, Apr. 12 to 30	52. 20	4. 74	4. 74
8	J. J. Matthews	do	Salary and expenses, Apr. 13 to 30	49. 45	4. 91	4. 91
8	J. B. Herron	do	Salary and expenses, Apr., 17 days	46. 70	4. 20	4. 20
8	J. J. Eberhardt	do	Salary and expenses, Apr. 14 to 30	46. 70	3. 50	3. 50
8	M. J. Barry	do	Salary and expenses, Apr., 17 days	46. 70	3. 07	3. 07
8	Wm. T. Fallon	do	Salary and expenses, Apr. 14 to 30	46. 70	2. 67	2. 67
8	J. B. Shannon & Sons	Philadelphia	Sundries		30. 58	30. 58
10	A. O. Drane	Deputy	Salary and expenses, Apr. 24 to 30	19. 23	1. 40	1. 40
10	Wm. S. Devoe	do	Salary and expenses, Apr.	208. 06	75. 65	75. 65
12	Chas. E. Bridge	do	Salary and expenses, Apr. 9 to 30	96. 70	5. 97	5. 97
12	R. W. Hickman	do	do	96. 70	5. 29	5. 29
12	Jas. T. Ross	do	do	96. 70	3. 97	3. 97
12	Edgar Marlin	do	do	96. 70	3. 28	3. 28
12	R. G. Webster	do	Salary and expenses, Apr., 16 days	83. 52	2. 97	2. 97
12	W. B. Montgomery	do	Salary and expenses, Apr. 19 to 30	52. 75	5. 12	5. 12
14	Geo. W. Been	do	Salary and expenses, Apr. 14 to 30	46. 70	2. 55	2. 55
14	Chas. Raff	Deputy	1 animal		18. 00	18. 00
15	Gleason & Bailey Manufacturing Company	Philadelphia County	Master pump, etc		28. 75	28. 75
18	Francis Bridge	New York	Salary and expenses, Apr., 13 days	104. 00	3. 87	3. 87
19	Rosina Ley et al	Philadelphia County	8 animals		234. 00	234. 00
19	do	do	9 animals		245. 00	245. 00
22	Chas. Fisher	do	1 animal		18. 00	18. 00
23	Hollingsworth & Peterson	Philadelphia	Chloride lime		24. 05	24. 05
23	do	do	do		23. 03	23. 03
26	D. G. Hatch	Clerk	Expenses, Apr. 8 to May 8		61. 41	61. 41
26	A. Zimmerman et al	Philadelphia County	8 animals		183. 00	183. 00
26	do	do	27 animals		603. 00	603. 00
June	W. H. Rose		Total for month	2, 443. 87	251. 08	251. 08
5	Wm. S. Devoe		Salary and expenses, May	208. 00	5. 41	5. 41
5	W. A. Willard	Clerk	do	208. 00	2. 13	2. 13
5	D. G. Hatch	do	do	119. 20	11. 37	11. 37
5	do	do	Salary for May	119. 20		

*Expended from the appropriation for 1887-'88, by States—Continued.*

PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
June 5	C. Moffatt	Clerk	Salary for May	\$46.00				
5	W. A. Swayne	Philadelphia	Office rent			\$50.00		
5	Jos. H. Mann	do	Stationery			54.89		
5	J. B. Shannon & Son	do	Sundries			104.70		
5	Wm. T. Fallon	Deputy	Salary and expenses, May	85.20	\$9.17			
5	T. A. Mulder	do	do	85.20	9.70			
5	Henry Morse	do	do	85.20	9.22			
5	Irvine & Carry	Philadelphia	Line, etc			9.50		
5	Martin Fertig	Philadelphia County	1 animal			\$20.00		\$80.00
5	do	do	3 animals					
5	John J. Owens	Deputy	Salary and expenses, May	85.20	5.12			
6	J. J. Matthews	do	Salary and expenses, May, 30 days	82.42	6.59			
6	M. J. Barry	do	Salary for May	85.20				
6	Isaac Brown	do	Salary and expenses, May, 5 days	65.93	6.77			
6	Chas. A. Kelly	do	Salary and expenses, May, 24 days	13.74	2.07			
6	do	do	Salary and expenses, Apr., 2 days	5.49	.86			
6	A. J. Fricka	do	Salary and expenses, May	85.20	14.57			
6	Daniel Seull	do	do	85.20	11.32			
6	J. J. Eberhardt	do	do	85.20	9.55			
6	C. L. Hartman	do	do	85.20	8.26			
6	Jas. McDermott	do	do	85.20	9.01			
6	W. H. Janney	do	do	85.20	7.62			
6	Geo. Carter	do	do	85.20	6.07			
6	J. J. Treston	do	do	85.20	6.67			
6	J. B. Herron	do	do	85.20	1.95			
6	T. F. O'Brien	do	Salary and expenses, May 12 to 31	54.95	4.99			
6	Harvey Ostrander et al.	Disinfectors	Salaries, May	480.20				
7	A. O. Drane	Deputy	Salary and expenses, May, 30 days	82.42	5.02			
7	J. R. Tatem	do	do	82.42	6.34			
7	Geo. W. Beven	do	Salary and expenses, May	85.20	10.62			
7	J. M. Monks	do	do	85.20	14.57			
15	Harvey Ostrander et al.	Disinfectors	Salaries, June 1 to 11	137.22				
19	M. J. Barry	Deputy	Salary and expenses, June 1 to 9	24.73	1.57			
19	E. Santman	do	Salary and expenses, May	85.20	5.57			
19	J. M. Monks	do	Salary and expenses, June 1 to 9	24.73	4.69			
19	Francis Bridge	New York	Salary and expenses, May, 11 days	88.00	5.97			
19	Hooke Manufacturing Comp'y	Philadelphia	Tags			120.00		
19	Hollingsworth & Peterson	do	Chloride lime			22.28		
19	do	do	Hog rings			33.09		
19	Hogartus, Ellaby & Ellsworth	New York	Salary and expenses, May	136.20	15.07	10.50		
20	W. B. Montgomery							



20	Edgar Marlin.....	do	136.20	38.27			
20	R. G. Webster.....	do	38.29	38.20			
20	Chas. E. Bridge.....	do	36.20	37.87			
20	R. W. Hickman.....	do	36.20	36.21			
20	Jos. T. Ross.....	do	136.20	34.50			
28	M. R. Trumbower.....	Salary and expenses, May, 17 days	136.00	16.92			
28	do.....	Expenses, Apr.		20.75			
28	D. G. Hatch.....	Salary for June.....	115.40				
30	C. Moffatt.....	do	44.50				
30	W. A. Willard.....	do	115.40				
30	D. E. Salmon.....	Expenses, Mar., May, and June		20.83			
	Total for month.....	\$5,514.80	4,519.55	461.41	433.84	20.00	80.00
July	R. G. Webster.....	Salary and expenses, June.....	131.90	38.02			
6	W. A. Swayne.....	Office rent.....	131.90	33.00	50.00		
7	Jas. T. Ross.....	Salary and expenses, June	131.90	18.96			
7	R. W. Hickman.....	do	82.40	8.30			
7	C. L. Hartman.....	do	82.40	8.28			
7	J. J. Eberhardt.....	do	82.40	5.77			
7	A. O. Drane.....	do	82.40	5.31			
7	Geo. Carter.....	do	82.40	.47			
7	J. B. Herron.....	Salary and expenses, June 1 to 9	24.73	4.00			
7	Jas. McDermott.....	do	24.73	3.81			
7	Geo. W. Been.....	do	24.73	1.97			
7	J. J. Matthews.....	do	10.23	1.28			
7	C. A. Kelly.....	Salary and expenses, June 2 to 8	200.00	3.75	9.20		
7	Wm. S. Devoe.....	Salary and expenses, June 1 to 4 and 6 to 30	208.00	17.47			
7	W. H. Rose.....	Salary and expenses, June	131.90	39.37			
7	Chas. E. Bridge.....	do	82.40	12.30			
7	Daniel Scull.....	do	82.40	10.87			
7	A. J. Fricka.....	do	82.40	9.47			
7	W. H. Janney.....	do	82.40	9.29			
7	Jos. K. Tatem.....	do	82.40	9.09			
7	Thos. F. O'Brien.....	do	82.40	8.34			
7	Wm. T. Fallon.....	do	82.40	7.26			
7	E. Santman.....	do	82.40	7.24			
7	J. J. Treston.....	do	82.40	6.79			
7	T. A. Maher.....	do	82.40	6.79			
7	Henry Morse.....	do	82.40	6.63			
7	Isaac Brown.....	do	82.40	5.11			
7	J. J. Owens.....	do	82.40	7.03			
7	J. J. King.....	Salary and expenses, June 6 to 30	68.68				
7	Jas. McCarron.....	Salary and expenses, June 9 to 30	60.44	6.44			
9	Mary Fritz.....	2 animals			34.00		
9	do.....	9 animals					214.00
12	Jos. H. Mann.....	Stationery.....			44.69		
14	M. R. Trumbower.....	Salary and expenses, June.....	192.00	6.37			
14	Edgar Marlin.....	Salary and expenses, June 1 to 9	39.56	12.37			





12	John Zink & Son.	do	Lime	24.00	
12	Chas. Winteritz & Sons	do	Sundries	4.00	
12	Wm. K. Boyle & Son	do	Printing	15.00	
12	F. Ellenbrok	do	Lime	28.75	
12	Ed. B. Schmidt	do	Team hire	180.00	
12	Radecke & Co	do	Sundries	10.50	
12	Harry M. Little	do	Team, Nov. 14 to 30	39.00	
12	James Lay	do	Salary and expenses, Nov. 1 to 26	5.00	
12	W. H. Martenet	do	Salary and expenses, Nov	56.00	
12	Gachart Zink <i>et al.</i>	Baltimore County	4 animals	62.71	
12	do	do	10 animals	224.00	
12	Henry Broadbelt	do	5 animals	100.70	
12	do	do	6 animals	158.20	
12	Jas. A. McDevitt	do	Salary and expenses, Dec. 1 to 7	15.55	
12	D. E. Salmon	do	Expenses, Oct. and Nov., 7 days	19.05	
16	David N. Stephens and John Loeber.	Baltimore County	11 animals	288.00	
16	do	do	22 animals	680.50	
16	John N. Peetz <i>et al.</i>	do	49 animals	1,027.26	
16	do	do	24 animals	501.80	
16	Clayton Enrich	Baltimore City	7 animals	87.50	
16	do	do	1 animal	23.00	
19	Wm. S. Brooke	do	Expenses, Nov	20.87	
19	Wm. E. Zimmerman	do	do	20.12	
19	Conrad Schmidt	Baltimore County	8 animals	225.80	
22	Geo. Dorn <i>et al.</i>	do	11 animals	171.80	
22	do	do	19 animals	399.12	
1888.			Total for month	880.00	
Jan.	David Holland <i>et al.</i>			2,571.10	
7	Thos. A. Hays <i>et al.</i>	Disinfectors	Salaries, Dec	3,874.72	
7	F. W. Patterson	Deputies, etc	do		
7	Daniel Keller	Salaries and expenses, Dec.	do		
11	Geo. C. Faville	Deputy	do	110.61	
11	A. W. Clement	do	do	12.90	
11	C. K. Dyer	do	do	83.50	
11	Wm. S. Devoe	do	do	86.90	
11	Albert Hassall	do	do	134.44	
11	E. C. Schroeder	do	do	73.44	
11	W. H. Martenet	do	do	108.50	
11	John J. Thomsen	do	do	40.30	
11	J. H. Medary & Co	do	do	81.02	
11	John Zink Co.	Disinfectants	do	78.70	
11	Alex. Yearley	Map	do	84.20	
11	do	do	do	134.80	
11	do	do	do	58.71	
11	do	do	do	89.13	
11	do	do	do	10.00	
11	do	do	do	48.00	
11	do	do	do	12.50	
11	Patrick Leahy <i>et al.</i>	Office rent	do	166.30	
11	do	6 animals	do		
11	do	23 animals	do		
11	Wm. S. Brooke	Salary and expenses, Dec.	do		
11	Wm. E. Zimmerman	do	do	11.60	
12	A. D. Melvin	do	do	84.20	
12	Miller & Brewer <i>et al.</i>	do	do	38.35	
18	do	do	do	89.59	
18	do	do	do	2,465.94	
18	do	do	do	552.44	

*Expended from the appropriation for 1857-'88, by States—Continued.*  
MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Jan. 18	C. J. Stewart & Sons.....	Baltimore.	Sundries.....			\$102.76		
18	Wm. K. Boyle & Son.....	do	Permit books.....			40.00		
19	Carlin & Fulton.....	do	Locks and chain.....			70.00		
21	Christian Hoisler.....	Baltimore County	24 animals				\$543.70	\$818.22
21	do	do	16 animals					
23	C. C. Prather <i>et al.</i> .....	Deputies	Expenses, Nov.	\$1135.47	\$19.92			
23	John McDade <i>et al.</i> .....	do	Salaries and expenses, Dec.		165.44			
24	Lorenz Weinbeck <i>et al.</i> .....	Baltimore County	24 animals				236.00	560.50
24	do	do	10 animals				25.00	
24	Arthur P. Forsyth.....	Howard County	1 animal					
			Total for month.....	3,851.70	932.80	384.06	1,523.44	4,510.46
Feb.								
6	Wm. Wade <i>et al.</i> .....	Deputies, etc.	Salaries, Jan.	1,080.13				
6	D. Holland <i>et al.</i> .....	Disinfectors	do	395.70				
6	G. C. Faville.....	do	Salary and expenses, Jan.	208.00	57.50	17.12		
6	Albert Hassall.....	do	do	136.30	72.15			
6	A. D. Melvin.....	do	do	170.30	77.81			
6	W. H. Martenet.....	do	do	136.30	77.08			
6	C. K. Dyer.....	do	do	136.30	75.50			
6	Wm. S. Devoe.....	do	do	170.30	64.00			
6	A. W. Clement.....	do	do	170.30	84.30			
6	S. A. Mitchell.....	Deputy	do	85.20	20			
6	Wm. Hardey.....	do	do	85.20	4.30			
6	O. J. Gaver.....	do	do	85.20	8.68			
6	W. S. Brooke.....	Appraiser	do	85.20	9.65			
6	Carroll Ensor.....	Deputy	do	85.20	1.90			
6	David Riley.....	do	do	85.20	3.00			
6	L. A. McDaniel.....	do	do	85.20	33.10			
6	J. E. Davis.....	do	do	85.20	32.06			
6	E. C. Schroeder.....	do	do	85.20	38.02			
6	Daniel Keller.....	Deputy	Salary and expenses, Jan. 1 to 21 and 29 to 31.	63.93				
6	W. E. Zimmerman.....	Appraiser	Salary and expenses, Jan.	85.20	21.90			
6	H. C. Rohr.....	Deputy	do	85.20	25.15			
6	Thos. A. Hays.....	do	do	85.20	15.50			
7	C. R. Perlue.....	do	do	85.20	31.20			
7	Thos. B. Gatch.....	do	do	85.20	8.25			
7	F. W. Patterson.....	do	do	85.20	32.06			
9	Wm. K. Boyle & Son.....	Baltimore.	Record book.....	119.20	105.50			
9	John J. Thomson.....	do	Chloride of lime			10.00		
9	W. E. Zimmerman.....	do	Lime			32.64		
18	Nathan Haas <i>et al.</i> .....	Baltimore County	9 animals			24.00	238.10	



18	Henry Schafer <i>et al.</i>	do	11 animals				313.76
18	Christ. Mattes <i>et al.</i>	do	4 animals			82.00	
18	do	do	8 animals				205.64
18	Alex. Yearley & Son	Baltimore	Office rent		12.50		
20	Henry Huff	Baltimore County	1 animal			15.00	
23	Wm. K. Boyle & Son	Baltimore	Books and blanks		90.00		
			Total or month	\$5,921.92	899.00	335.10	519.40
5	C. C. Pradler <i>et al.</i>	Deputies, etc	Salaries, February	1,261.00			
5	D. Holland <i>et al.</i>	Disinfectors	do	361.60			
5	C. K. Dyer		Salary and expenses, Feb	127.40	66.70		
5	A. D. Melvin	do	do	139.40	78.50		
5	A. W. Clement	do	do	139.40	73.50		
5	E. C. Schroeder	do	Salary and expenses, Feb	79.60	73.39		
5	Daniel Keller	Deputy	do	79.60	69.50		
5	H. C. Rohr	do	do	79.60	21.50		
5	Thos. A. Hays	do	do	79.60	33.00		
5	L. A. McDaniel	do	do	79.60	33.45		
5	Thos. B. Gatch	do	do	79.60	31.70		
5	Wm. S. Brooke	Appraiser	do	95.60	6.95		
5	J. F. Davis	Deputy	do	79.60	31.70		
5	O. J. Gaver	do	do	79.60	13.10		
5	Wm. Hardy	do	do	73.00	2.55		
5	C. R. Perdue	do	do	79.60	12.28		
6	Albert Hassall	do	do	127.40	78.88		
7	W. A. Willard	do	Salary and expenses, Feb. 1 to 8	30.79	17.90		
8	W. H. Martenet	do	Salary and expenses, Feb.	127.40	51.50		
9	Wm. S. Devoe	do	Salary and expenses, Feb. 1 to 28	153.90	43.72		
10	John J. Thomson	Baltimore	Chloride of lime		20.72	2,724.82	2,341.42
12	Wm. Langemann <i>et al.</i>	Baltimore County	84 animals				761.00
12	do	do	31 animals				
12	T. M. Richardson	do	Record books			305.00	
12	Wm. K. Boyle & Son	Baltimore	6 animals			161.90	
14	Geo. Weigle & Son	Baltimore County	15 animals				243.96
14	Geo. Weigle & Son <i>et al.</i>	do	20 animals				
14	Ambrose Winterling <i>et al.</i>	do	18 animals			409.84	
14	do	do	Salary and expenses, Feb.				372.48
15	Geo. C. Faville	Baltimore	Office rent	216.00	77.04	17.34	
16	Alex. Yearley & Son	do	do			12.50	
16	do	do	do			4.16	
16	M. L. Strans & Sons	do	Book-case			12.00	
16	Wm. E. Zimmerman	do	Salary and expenses, Feb	95.60	43.08		
17	Robt. S. Forbes	Appraiser	Expenses, Mar. 16		3.85		
19	D. E. Salmon	do	Expenses, Dec. 16		2.00		
21	Ches. & Pot. Tel. Co.	Baltimore	Exchange rental			33.34	
23	L. G. Hubble	Deputy	Salary for Dec	84.20			
23	John J. Thomson	Baltimore	Chloride of lime			9.16	
1	F. W. Patterson	do	Salary and expenses, Feb.	111.60	93.56		
			Total for month	\$12,291.38	414.22	3,296.56	3,718.86

*Expended from the appropriation for 1887-'88, by States—Continued.*  
MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Apr. 5	C. C. Prather <i>et al.</i>	Deputies, etc	Salaries, Mar	\$1 083.90				
5	D. Holland <i>et al.</i>	Disinfectors	do	395.70				
7	A. D. Melvin.		Salary and expenses, Mar	170.30	\$90.50			
7	C. K. Dyer		do	136.30	79.00			
7	Albert Hassall.		do	136.30	79.42			
7	W. H. Martenet		do	136.30	72.50			
7	F. W. Pattison		Salary and exp., Mar 1 to 17 and 28 to 31.	80.75	39.30			
7	Daniel Keller.	Deputy	Salary and expenses, Mar	85.20	61.15			
7	E. C. Schroeder		do	85.20	76.32			
7	John F. Davis	Deputy	do	85.20	32.12			
7	Thos. B. Gatch	do	do	85.20	32.12			
7	H. C. Rohr	do	do	85.20	28.73			
7	Carroll Ensor	do	do	85.20	2.10			
7	Daniel R. Hoffman.		Salary and expenses, Mar	16.48	15.00			
7	W. S. Brooke	Appraiser	Salary and expenses, Mar., 5 days	102.20	16.35			
7	W. E. Zimmerman	Baltimore	Salary and expenses, Mar					
9	Louis Keifer <i>et al.</i>	Baltimore County	Line		\$24.00			
9	do	do	51 animals				\$1,372.12	
9	H. F. Hill	do	77 animals					\$2,061.44
9	do	do	32 animals					476.38
11	W. E. Zimmerman	do	20 animals					
11	Thos. A. Hays.	Appraiser	Salary and expenses, Mar	102.20	60.37		458.02	
11	David Riley	Deputy	do	85.20	32.60			
11	do	do	do	85.20	5.16			
11	W. Harvey	do	do	85.20	4.60			
11	Wm. S. Devoe	do	do	85.20	15.17			
11	L. A. McDaniel	Deputy	Salary and expenses, Mar., 1 to 26	142.83	35.50			
11	John McDade	do	do	85.20	3.30			
11	Thos. D. O'Keefe <i>et al.</i>	Baltimore County	do				119.90	
11	do	do	5 animals					1,225.12
11	E. Mallonee	do	40 animals				15.00	
11	do	do	1 animal					1,154.34
11	do	do	38 animals					
13	Otho Gaver	Deputy	Salary and expenses, Mar	85.20	18.05			
13	do	do	Expenses, Feb		3.00			
13	A. W. Clement		Salary and expenses, Mar	170.30	91.50			
13	G. C. Fasille		do	224.00	91.60			
13	Geo. Wolf	Baltimore County	11 animals			16.95		238.40
13	J. Stewart & Sons	Baltimore County	Tags, etc			100.94		371.00
16	John Hiller	Baltimore County	12 animals				87.00	
16	do	do	3 animals				46.00	
19	Fred. Kafer	do	2 animals					399.70
19	do	do	13 animals					



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*Expended from the appropriation for 1887-'88, by States—Continued.*  
MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888. May 22	Ang. Schmidt <i>et al.</i> Wm. K. Boyle & Son.....	Baltimore County Baltimore	2 animals Record books, etc. Total for month..... \$9,702.77					\$54.10
June 4	D. Holland <i>et al.</i> .....	Disinfectors	Salaries, May	\$4,138.28	\$965.87	301.96	\$1,032.30	3,264.36
4	J. B. Trull <i>et al.</i> .....	Clerks and deputies	do.....	430.20				
4	W. H. Martenet.....	do.....	do.....	1,190.67				
4	Jas. F. Ryder.....	do.....	Salary and expenses, May	136.20	46.50			
4	D. R. Hoffman.....	do.....	do.....	136.20	102.15			
4	Daniel Keller.....	Deputy	do.....	102.20	78.50			
4	L. A. McDaniel.....	do.....	do.....	102.20	68.50			
4	John F. Davis.....	do.....	do.....	85.20	36.95			
4	Thos. A. Hays.....	do.....	do.....	85.20	32.12			
4	Thos. B. Gatch.....	do.....	do.....	85.20	32.10			
4	Wm. S. Brooke.....	Appraiser	do.....	85.20	31.85			
4	S. A. Mitchell.....	Deputy	do.....	102.20	3.55			
4	John McDade.....	do.....	do.....	85.20	4.88			
4	J. T. Parsons.....	do.....	do.....	85.20	4.70			
4	Carroll Ensor.....	do.....	do.....	85.20	4.10			
4	W. E. Zimmerman.....	do.....	do.....	85.20	3.20			
4	do.....	Appraiser	do.....	102.20	31.85			
4	Alex. Yearley & Son.....	Baltimore	Lime.....		54.00			
5	Geo. C. Fayville.....	do.....	Office rent		12.50			
5	A. D. Melvin.....	do.....	Salary and expenses, May	280.00	90.39	7.77		
5	J. A. Warath.....	do.....	do.....	170.40	84.50			
5	W. H. Wray.....	do.....	do.....	153.40	75.33			
5	E. C. Schroeder.....	do.....	Salary for May, 23 days.	184.00				
5	C. R. Perdue.....	do.....	Salary and expenses, May	85.20	82.59			
5	O. J. Gaver.....	Deputy	do.....	85.20	12.80			
5	Wm. Hardy.....	do.....	do.....	85.20	10.00			
5	A. W. Clement.....	do.....	do.....	85.20	2.15			
5	Albert Hassall.....	do.....	do.....	170.40	85.25			
5	N. Regester <i>et al.</i> .....	Baltimore County	do.....	136.20	84.94			
5	N. Regester.....	do.....	20 animals					
7	Robt. S. Forbes.....	do.....	1 animal				39.66	
8	C. K. Dyer.....	do.....	Expenses, June 6		3.50			
8	F. W. Patterson.....	do.....	Salary and expenses, May	136.20	82.90			
13	H. C. Rohr.....	Deputy	do.....	119.20	52.25			
12	C. J. Stewart & Sons.....	Baltimore	do.....	85.20	60.50			
15	C. C. Prather <i>et al.</i> .....	Deputies	Sundries.....		15.70			
			Salaries, June 1 to 9.	98.92				



19	Wm. E. Zimmerman.....	Appraiser	Salary for June 1 to 9.....	29.67					
19	Wm. S. Brooke.....	do	Salary and expenses, June 1 to 9.....	29.67	1.90				
19	O. J. Gayer.....	Deputy	do	24.73	15.10				
19	John McDade.....	do	do	24.73	2.00				
19	P. F. Flannery.....	Baltimore.	Rent storage room.....			4.00			
19	J. J. Thomson.....	do	Chloride lime.....			37.77			
21	L. A. McDaniel.....	Deputy	Salary and expenses, June, 9 days.....	24.73	10.78				
23	Wm. Hardey.....	do	Salary for June 1 to 9.....	24.73					
23	D. Holland <i>et al.</i> .....	Disinfectors	Salaries, June.....	149.90					
30	Geo. C. Faville.....	do	Salary and expenses, June.....	270.00	83.50	4.50			
30	John F. Davis.....	Deputy	do	82.40	31.82				
30	Thos. B. Gatch.....	do	do	82.40	32.06				
30	Thos. A. Hays.....	do	do	82.40	32.04				
30	C. R. Perdue.....	do	do	82.40	9.85				
30	J. B. Hamspher.....	do	do	82.40	4.10				
30	J. T. Parsons.....	do	do	82.40	5.10				
30	D. E. Salton.....	do	Expenses, Mar. 20.....		3.25				
30	J. A. Walrath.....	do	Salary and expenses, June.....	148.30	76.40				
30	F. W. Patterson.....	do	do	115.40	109.01				
30	D. R. Hoffman.....	do	do	98.90	78.50				
30	Jas. F. Ryder.....	do	do	131.90	58.00				
30	A. W. Clement.....	do	do	164.80	82.55				
30	W. H. Martenet.....	do	do	131.90	50.75				
30	J. B. Trull <i>et al.</i> .....	Clerks and deputies	Salaries, June.....	827.30					
Total for month..... \$10, 147.21				7, 549.45	1, 893.76	136.24	39.66	528.10	
6	Albert Hassall.....	do	Salary and expenses, June.....	131.90	81.88				
6	C. K. Dyer.....	do	do	131.90	79.10				
6	A. D. Melvin.....	do	do	164.80	39.50				
6	Daniel Keller.....	Deputy	do	98.90	95.50				
6	Alex. Yearley & Son.....	Baltimore.	Office rent.....			12.50			
7	Wm. S. Devoe.....	do	Salary and expenses, June 5.....	8.00	7.00				
10	E. C. Schroeder.....	do	Salary and expenses, June.....	82.40	80.23				
9	H. C. Robt.....	Deputy	do	82.40	36.50				
10	W. H. Wray.....	do	Salary for June.....	200.00					
10	Wm. O'Neal.....	Deputy	Salary and expenses, June.....	82.40	3.60				
12	C. J. Stewart & Sons.....	Baltimore.	Tags and rings.....			15.50			
19	P. F. Flannery.....	do	Rent storage room.....			4.00			
19	Chas. & Pot. Tel. Co.....	do	Rental, April to June.....			25.00			
26	Jas. A. Windham.....	Montgomery County.	1 animal.....					10.00	
Total for month..... \$1, 473.01				982.70	423.31	57.00		10.00	
Grand total..... \$132, 912.40				40, 471.65	11, 808.74	2, 611.53	18, 132.11	59, 888.37	

July

Expended from the appropriation for 1887-'88, by States—Continued.

## ILLINOIS.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1887. Dec.	John P. Bond		Disbursed to Nov. 30	\$24,370.46	\$1,229.13	\$2,749.05	\$1,621.65	\$13,970.74
2	N. H. Paaren		Salary and expenses, Nov.	208.00	8.55			
2	Sidney Shepley	Clerk	do	208.00	5.35			
3	Christ. Leonhardt et al.	Cook County	Salary for Nov.	122.20				
3	Thos. J. Herr		5 animals					84.55
7	Jas. Anderson		Salary and expenses, Nov.	208.00	7.35			
7	Bower Talbot		do	130.40	8.05			
7	Jno. Casewell		do	208.00	40.25			
7	Geo. Carter et al.	Deputies and disinfectors.	Salaries, Nov.	1,457.70		33.70		
9	Fuller & Fuller Co.	Chicago	Chloride of lime			13.20		
9	Keen & De Lang	do	Stationery			1.80		
9	H. Rice & Son.	do	Lime			102.40		
9	Gutia-Percha and Rubber Manufacturing Co.	do	Hose			5.09		
12	John Tierney	Disinfectors	Salary, Nov. 1 to 9	20.00				
12	David Holland	do	do	20.00				
14	E. A. Rice et al.	Disinfectors	Salaries, Dec. 1 to 5	87.50				
16	Margaret Sullivan	Cook County	3 animals					57.92
16	Chas. Keltz et al.	do	3 animals					35.00
21	A. Pollak	do	1 animal					5.00
21	The Off. Toilet Supply Co.	Chicago	Supplies			5.00		
1888. Jan.	Bower Talbot		Total for month	2,877.80	69.55	163.19		182.47
7	John Casewell		Salary and expenses, Dec.	224.00	40.25			
10	Geo. Carter et al.	Deputies	do	216.00		33.25		
12	August Egteburg	Cook County	Salaries, Dec.	252.60				
13	Bower Talbot		4 animals				81.27	
13	Wm. J. Watt		Sundays, July 31 to Dec. 18	96.00				
16	John P. Bond	Disinfectors	Salary, Dec 1 to 10	36.00				
16	August Egteburg	Chicago	Salary and expenses, Dec. 1 to 7	48.00	2.10			
19	Gutia-Percha and Rubber Manufacturing Co.	do	Disinfecting, etc.			9.75		
30		do	Rubber hose, etc.			45.34		
			Total for month	872.60	42.35	88.34	81.27	
Feb.	Geo. Carter et al.	Deputies	Salaries, Jan.	255.60				
7	Bower Talbot		Salary and expenses, Jan.	248.00	40.25			
8	P. Sheridan et al.	Cook County	do	208.00	7.50	29.40		136.08
8	L. Brems et al.	do	8 animals					
			2 animals					20.43



8	Martha Wayman	do	1 animal				5.00
25	Margaretta Kruchten <i>et al.</i>	do	59 animals				1,056.00
29	John Smith <i>et al.</i>	do	17 animals				343.00
			Total for month.....	\$2,349.26	711.60	47.75	1,560.51
5	Geo. Carter <i>et al.</i>	Deputies	Salaries, Feb.....		238.80		
6	John Casewell		Salary and expenses, Feb.....		200.00	26.10	
6	Bower Talbot		do		232.00	40.25	
14	M. Flannery <i>et al.</i>	Cook County	17 animals				
14	E. E. Lloyd <i>et al.</i>	do	7 animals				317.00
22	H. N. Higinbotham	do	2 animals				180.00
22	Hermann Mielke	do	9 animals				52.00
22	The Off. Toilet Supply Co.	Chicago	Supplies			3.00	151.92
22	Louis Schenk <i>et al.</i>	Cook County	7 animals				147.00
			Total for month.....	\$1,620.57	670.80	72.75	847.92
4	Bower Talbot		Salary and expenses, Mar.....		248.00	40.25	
4	John Casewell		do		216.00	15.00	
4	The Off. Toilet Supply Co.	Chicago	Supplies, Mar.....			26.25	
4	Geo. Carter <i>et al.</i>	Deputies	Salaries, Mar.....		255.60	1.00	
23	John P. Bond		Salary and expenses, Sundays, July to Dec.		88.00	2.20	
			Total for month.....	\$892.30	807.60	57.45	
			Grand total .....	\$53,180.73	30,310.83	1,518.98	1,702.92
							16,561.64

## VIRGINIA.

1887.							
Dec. 7	Jas. A. Walrath.....		Disbursed to Nov. 30 .....	\$396.90	265.92	130.98	
1888.			Salary and expenses, Nov. ....		146.80	91.80	
Jan. 7	do		Salary and expenses, Dec.....		151.60	15.85	
Feb. 17	do		Salary and expenses, Jan. 1 to 3 and 23 to 31.		59.34	57.70	
23	F. N. Gilman	Elizabeth City County	4 animals				60.00
			Total for month.....	\$177.04	59.34	57.70	60.00
Mar. 8	Jas. A. Walrath.....		Salary and expenses, Feb.....		143.40	45.72	
26	Hampton Normal and Agri- cultural Institute,	Elizabeth City County	30 animals			.30	625.00
26	do	do	22 animals				311.00
			Total for month.....	\$1,025.42	143.40	45.72	525.00
						.30	311.00

*Expended from the appropriation for 1887-'88, by States—Continued.*  
 VIRGINIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888. Apr. 7	Jas. A. Walrath. Hampton Normal and Agricultural Institute.	Elizabeth City County.	Salary and expenses, Mar 29 animals	\$153.30	\$9.10			
7	do	do	10 animals					
14	Albert Howe.	Hampton.	Sundries			\$19.25	\$134.00	
14	James McDermin	Norfolk County.	1 animal					20.00
			Total for month.....	153.30	9.10	19.25	134.00	290.00
May 10	Jas. A. Walrath.		Salary and expenses, Apr. 1 to 9.....	93.92	13.25			
June 15	Wm. H. Daggs.	Elizabeth City County.	1 animal					40.00
15	Wm. Tyson.	do	do				20.00	
			Total for month.....				20.00	40.00
			Grand total.....	1,014.28	364.40	19.55	738.00	641.00

## TEXAS.

1888. Jan. 13	T. T. D. Andrews.		Disbursed to Nov. 30.....	772.22	305.70			
13	do		Salary and expenses, Nov.	112.50	8.00			
			Salary for Dec.	127.17				
			Total for month.....	239.67	8.00			
Feb. 18	do		Salary for Jan.	128.57				
Mar. 9	do		Salary for Feb.	143.40				
June 20	Geo. S. Williamson.		Salary for Apr. 18 to 30.	64.29				
20	do		Salary for May.	153.40				
			Total for month.....	217.69				
July 18	do		Salary for June.	148.30				
			Grand total.....	1,649.65	313.70			



*Expended from the appropriation for 1887-'88—Continued.*

## INVESTIGATIONS.

Date.	Name.	Remarks.	For what paid.	For scientific investigations.	For collecting information.	For investigation of reported diseases.
1887.				\$5,561.05	\$5,071.72	\$437.19
Dec. 3	H. J. Ruppert.....	For experimental station.....	Disbursed to Nov. 30.....			
4	C. H. Dana.....	For laboratory.....	Rent for Nov.....	41.06		
5	D. W. Kolbe, jr.....	For laboratory.....	Sheep labels.....	10.00		
6	E. B. Markham.....	do.....	Rabbits.....	12.00		
7	H. M. Taylor.....	do.....	Pigs.....	9.00		
8	Theobald Smith.....	For laboratory.....	Salary for Nov.....		260.00	
9	T. Talbot's Sons.....	For experimental station.....	Sundries.....	3.16		
10	F. L. Kilborne.....	do.....	Clover hay.....	24.51		
11	Bullen & McKeever.....	do.....	Sundries.....	22.91		
12	Geo. W. Rust.....	do.....	Pigs.....	7.00		
12	R. M. Bell.....	do.....	Salary for Nov.....		146.80	
13	do.....	do.....	Salary and expenses, Oct.....		204.75	
14	L. Schmid & Sons.....	For experimental station.....	Salary and expenses, Nov.....		184.37	
17	Wm. Mason.....	do.....	Animals.....	22.40		
20	Alfred Burnett.....	do.....	Pigs.....	21.00		
21	E. W. Perry.....	do.....	do.....	20.00		
21	Theobald Smith.....	Investigating hog cholera.....	Salary for Nov.....			
22	Jno A. Butler.....	For experimental station.....	Expenses, Dec. 14.....	2.70	208.00	
24	Bullen & McKeever.....	do.....	Repairs to pump.....	4.75		
27	H. M. Taylor.....	do.....	Calf.....	6.33		
28	Theobald Smith.....	do.....	Expenses for Nov.....			
31	F. L. Kilborne.....	do.....	Salary for Dec.....	151.60	180.80	
31	Cooper Curtice.....	do.....	do.....	134.80		
31	V. A. Moore.....	do.....	do.....	134.80		
31	Wm. Alexander.....	do.....	do.....	75.80		
31	Wm. E. Mundell.....	do.....	do.....	60.60		
31	Jas. W. Queen & Co.....	For laboratory.....	Oxy. hyd. jet, etc.....	50.50		
31	H. J. Ruppert.....	For experimental station.....	Rent for Dec.....	13.50		
31	E. B. Markham.....	do.....	Pigs.....	41.66		
31	Rich. F. Grimes.....	do.....	Turnips.....	6.00		
31	Z. D. Gilman.....	For laboratory.....	Sundries.....	5.00		
				74.75		
			Total for month.....	966.43	1,184.72	
1888.						
Jan. 4	H. R. Dement.....	For experimental station.....	Pigs.....	37.50		
7	L. H. Hopkins.....	do.....	Sundries.....	26.83		
7	Chesapeake & Potomac Telephone Co.....	do.....	Rental Oct. to Dec.....	35.94		
7	E. W. Perry.....	do.....	Salary for Dec.....		216.00	

*Expended from the appropriation for 1887-'88—Continued.*  
INVESTIGATIONS—Continued.

Date.	Name.	Remarks.	For what paid.	For scientific investigations.	For collecting information.	For investigation of reported diseases.
1888.						
Jan. 6	H. M. Taylor		Salary for Dec.		\$270.00	
9	do		Expenses for Dec.		109.73	
10	D. W. Kolbe, jr.	For experimental station	Rabbits	\$12.00		
10	Hutches & Batz.	For laboratory	Sundries	28.15		
12	Geo. W. Rust		Salary for Dec.		151.60	
18	L. Moxley	For laboratory	Hyd. and oxy. gas	12.60		
20	A. M. Farrington	Investigating disease, Virginia	Expenses, Jan. 12 to 14			\$10.25
25	W. M. Galt & Co.	For experimental station	Feed, etc.	355.87		
25	Jno. A. Butler	do	Repairing pump	3.00		
26	F. L. Kilborne	do	Sundries	30.30		
28	John Reynolds & Co	do	Instruments	34.88		
30	Library Bureau	do	Cards	8.55		
31	Theobald Smith	For laboratory	Salary for Jan.	153.30		
31	F. L. Kilborne	do	do	136.30		
31	Cooper Currice	do	do	102.20		
31	V. A. Moore	do	do	61.30		
31	Wm. Alexander	do	do	51.10		
31	W. E. Mundell	do	do	46.15		
31	W. R. Scholl	do	do			
			Total for month	1,272.27	747.35	10.25
Feb. 1	D. W. Kolbe, jr.		Rabbits	9.00		
2	R. M. Bell	For experimental station	Salary and expenses, Dec.		238.95	
2	H. J. Ruppert	For experimental station	Rent for Jan.	41.66		
2	Wm. H. Bann	do	Coal	13.75		
6	H. M. Taylor	do	Salary for Jan.		260.00	
9	Geo. W. Rust		do		153.30	
13	T. Tabert's Sons	For experimental station	Clover hay	19.83		
14	Bullen & McKeever	do	Pigs	10.00		
18	R. A. McLean	Investigating disease, Vermont	Salary and expenses, Oct. 22 to 24			45.91
18	H. M. Taylor	do	Expenses, Jan.			
18	H. M. Taylor	Sundries, Dec., Jan., Feb.	Sundries, Dec., Jan., Feb.	5.19		
28	Theobald Smith	For laboratory	Salary for Feb.	143.40		
29	do	do	do	127.40		
29	F. L. Kilborne	do	do	127.40		
29	Cooper Currice	do	do	95.60		
29	V. A. Moore	do	do	57.40		
29	Wm. Alexander	do	do	47.80		
29	W. E. Mundell	do	do	47.80		
29	Wm. R. Scholl	do	do	47.80		
			Total for month	746.23	775.40	45.91

Mar.	3	H. J. Ruppert.....	For experimental station.....	Rent for Feb.....	41.66	65.00
	6	Wm. A. Pate.....	Investigating at New Castle, Ind.....	3 animals.....	250.00	
	6	H. M. Taylor.....		Salary for Feb.....	143.40	
	9	Geo. W. Rust.....		do.....		
	9	Jas. W. Queen & Co.....	For laboratory.....	Glass pans, etc.....	9.70	
	15	E. B. Markham.....	For experimental station.....	Pigs.....	9.00	
	19	D. E. Salmon.....	Investigating disease, Indiana.....	Expenses, Feb. 21 to 24.....		
	19	Z. D. Gilman.....	For laboratory.....	Sundries.....	75.21	43.90
	22	Elphanzo Youngs.....	For experimental station.....	Prepared food.....	13.00	
	27	D. W. Kolbe, Jr.....	do.....	Rabbits.....	12.00	
	27	Bullen & McKeever.....	do.....	Pigs.....	20.00	
	27	H. M. Taylor.....	Expenses, Feb.....		101.70	
	31	T. Talbert's Sons.....	For experimental station.....	Glover bay.....	7.94	
	31	Theobald Smith.....		Salary for Mar.....	153.30	
	31	Cooper Curtice.....		do.....	136.30	
	31	V. A. Moore.....		do.....	102.20	
	31	Wm. Alexander.....		do.....	61.30	
	31	Mary N. Barnard.....		do.....	56.20	
	31	F. L. Kilborne.....		do.....	136.30	
	31	Wm. E. Mundell.....		do.....	51.10	
	31	Wm. R. Scholl.....		do.....	51.10	
				Total for month.....	936.31	108.90
Apr.	3	H. J. Ruppert.....	For experimental station.....	Rent for Mar.....	41.66	
	4	W. H. Wray.....	Investigating disease, Connecticut.....	Salary and expenses, Mar. 29.....		13.58
	5	H. M. Taylor.....		Salary for Mar.....	270.00	
	7	F. W. Paterson.....	Investigation at Buffalo.....	Salary and expenses, Mar. 18 to 29.....		86.45
	10	A. M. Farrington.....	Investigating disease, Virginia.....	Expenses, Mar.....		3.30
	11	Geo. W. Rust.....		Salary for Mar.....	153.30	
	11	C. I. Gilbert.....	For experimental station.....	2 cows.....	20.00	
	11	E. B. Markham.....	do.....	Pigs.....	39.00	
	11	Chesapeake & Potomac Telephone Co.....	do.....	Rental, Jan. to Mar.....	35.94	
	19	R. M. Bell.....	do.....	Salary and expenses, Jan.....	225.20	
	19	do.....	Investigating pt. pneu., Maryland.....	Salary and expenses, Mar.....	234.09	
	27	Theobald Smith.....		Expenses, Dec. Jan.....	8.85	
	30	do.....		Salary for Apr.....	148.30	
	30	Cooper Curtice.....		do.....	131.90	
	30	V. A. Moore.....		do.....	98.00	
	30	Wm. Alexander.....		do.....	59.30	
	30	M. N. Barnard.....		do.....	54.40	
	30	C. A. Friedman.....	Cabinet work.....	Salary for Apr. (5½ days).....	16.50	
	30	Wm. R. Scholl.....		Salary for Apr.....	49.50	
	30	F. L. Kilborne.....		do.....	131.90	
	30	Wm. E. Mundell.....		do.....	49.50	
	19	H. M. Taylor.....	Expenses, Mar.....		126.45	
				Total for month.....	885.65	103.33



*Expended from the appropriation for 1887-'88—Continued.*

INVESTIGATIONS—Continued.

Date.	Name.	Remarks.	For what paid.	For scientific investigations.	For collecting information.	For investigation of reported diseases.
1888.						
May 2	H. J. Ruppert	For experimental station	Rent for Apr.	\$41.66		
5	H. M. Taylor		Salary for Apr.		\$250.00	
8	R. M. Bell		Salary and expenses, Feb.		212.65	
10	Geo. W. Rust		Salary for Apr.		148.30	
11	L. Pennington	For experimental station	Salary for May, 3½ days.			
11	F. L. Kilborne	do	Sundries.	5.25		
15	H. M. Taylor		Expenses, Apr.	9.90		
16	S. J. Meeks	For experimental station	Repairs, etc.	9.25		
17	R. M. Bell		Salary and expenses, Apr.		141.63	
17	E. Jackson	For experimental station	Harness, etc.	7.00		
17	Bullen & McKeever	do	Lambs	30.51		
24	Z. D. Gilman	For laboratory	Sundries	98.50		
25	L. H. Hopkins	For experimental station	do	44.78		
29	Rabt. Litch & Sons	For laboratory	Repairs, etc.	15.95		
31	Theobald Smith		Salary for May	152.40		
31	Cooper Curtice	do	do	136.20		
31	V. A. Moore	do	do	102.20		
31	Wm. Alexander	do	do	61.40		
31	M. N. Barnard	do	do	56.20		
31	Wm. R. Scholl	do	do	51.00		
31	F. L. Kilborne	do	do	136.20		
31	Wm. E. Mundell	do	do	51.00		
			Total for month	1,010.40	883.04	
June 5	H. M. Taylor	For experimental station	Salary for May		270.00	
6	H. J. Ruppert		Rent for May	41.66		
7	Cooper Curtice	Investigating fowl cholera, Maryland.	Expenses, May 9 and 10	17.07		
7	do	Investigating fowl cholera, New Jersey	Expenses, Oct. 19	1.80		
7	do	For laboratory	Expenses, Dec. 21, Jan. 4, and Feb. 2.	2.30		
7	F. L. Kilborne	For experimental station	Expenses, May and June	15.75		
8	Walter F. Hewitt	do	Feed	58.65		
9	Elphanzo Youngs	do	Prepared food	8.13		
11	Wm. M. Galt & Co	do	Feed, etc., Jan. to June	479.58		
12	Louis Schmid & Sons	do	Guinea pigs	9.00		
13	Geo. W. Rust	do	Salary for May		153.40	
20	Jas. McClelland	For laboratory	64 days' work	19.50		
20	Carl Zeiss	do	Instruments	275.28		
21	R. M. Bell	do	Salary for May		119.20	

21	do	For experimental station	Expenses, Jan. to Apr.	26.75	
21	L. H. Hopkins	For laboratory	Sundries	7.00	
22	Theo. Smith		do	3.28	
29	H. M. Taylor		Expenses, May		
30	Theobald Smith		Salary for June	148.30	92.50
30	F. L. Kilborne		do	131.90	
30	Cooper Cutrice		do	131.90	
30	V. A. Moore		do	98.90	
30	Wm. Alexander		do	59.30	
30	M. N. Barnard		do	54.40	
30	W. E. Mundell		do	49.50	
30	Wm. R. Scholl		do	49.50	
30	Z. D. Gilman		Sundries	47.10	
30	L. Mangum		Ice, Apr. to June	11.25	
30	H. J. Ruppert		Rent for June	41.66	
30	T. S. Leisenring		Burner, etc.	2.75	
			Total for month	1,765.46	661.85
July 6	Chesapeake & Potomac Telephone Co.	For experimental station	Rental, Apr. to June	35.94	
7	H. M. Taylor		Salary for June		
7	Cooper Cutrice		Expenses, June 11	3.00	260.00
7	do	Investigating fowl cholera, New Jersey	Expenses, June 17 and 18		
10	Geo. W. Rust		Salary for June	16.89	
16	R. M. Bell		Salary and expenses for June		148.30
21	H. M. Taylor		Expenses for June		163.79
26	Hutchins & Betz	For laboratory	Sundries for June	23.52	100.75
			Total for month	79.35	672.84
Aug. 8	Royce & Marean	For laboratory	Electropoin fluid, Apr.	1.50	
			Grand total	13,224.65	11,501.06
					\$725.58

## Expended from the appropriation for 1887-'88—Continued.

## WASHINGTON AND MISCELLANEOUS.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1887.						
Dec. 3	Robert Leitch & Son		Disbursed to Nov. 30	\$7,288.32	\$104.70	\$1,495.88
7	The World, N. Y.		Chandler			30.00
8	A. S. Mercer		Advertising			246.50
8	H. H. Metcalf		Salary and expenses, Nov	130.40	18.50	
9	B. Westermann & Co		do	130.40	33.00	
16	D. E. Salmon		Books		95.60	31.39
16	do		Expenses, Oct. 27 to Nov 4			65
22	Western Union Telegraph Company		Telegrams			9.40
22	do		Charges, Nov			13.85
23	W. B. Moses & Son		Charges, Oct			228.28
31	D. E. Salmon		Office furniture	252.70		
31	A. M. Farrington		Salary for Dec	189.50		
31	Miles Fuller		do	126.40		
31	W. J. Cowing		do	151.60		
31	P. L. Lyles		do	117.90		
31	Robert S. Forbes		do	101.10		
31	E. B. Jones		do	81.20		
31	Mary Sullivan		do	55.60		
31	Mary T. Dent		do	60.60		
31	R. P. Logan		do			5.00
31	Lawyers' Co-operative Publishing Co.		Supreme Court Digest			15.60
31	V. G. Fischer		Scrap-books			
			Total for month	1,518.30	147.10	580.67
1888.						
Jan. 3	A. L. Hummel		Subscription			2.00
7	The New York Herald		do			10.00
7	do		Advertising			196.30
7	Chesapeake & Potomac Telephone Co.		Rental, Oct. to Dec			15.00
10	A. S. Mercer		Salary for Dec	134.80		
11	United States Express Company		Charges, Dec			1.05
13	J. G. P. Holden		Advertising			22.50
17	H. H. Metcalf		Salary for Dec	134.80		
17	Western Union Telegraph Company		Charges, Dec			12.57
21	E. & H. T. Anthony		Subscription			6.00
25	B. Westermann & Co.		Books			15.12
31	D. E. Salmon		Salary for Jan	255.50		
31	Miles Fuller		do	127.70		
31	A. M. Farrington		do	191.65		
31	W. J. Cowing		do	133.30		



	P. L. Lyles.....	do	196.30							
31	R. S. Forbes.....	do	119.20							
31	E. B. Jones.....	do	102.20							
31	Mary Sullivan.....	do	85.20							
31	R. P. Logan.....	do	61.30							
31	Mary T. Dent.....	do	56.20							
	Total for month .....	\$1,837.69	1,558.15							279.54
Feb.	W. A. Willard.....	Salary and expenses, Jan. 24 to 31..	30.77				8.65			4.80
3	V. G. Fischer.....	Stationery	136.30							60.50
6	A. S. Mercer.....	Salary for Jan	136.30							167.80
8	H. H. Metcalf.....	do								6.62
13	J. C. Parker.....	Stationery								320.00
16	Philip M. O'Bryon.....	Lettering sign								
18	B. Westermann & Co.....	Books								
20	Western Union Telegraph Company.....	Charges, Jan								
27	The Tribune Company.....	Advertising								
29	D. E. Salmon.....	Salary for Feb	239.00							
29	Miles Fuller.....	do	119.60							
29	A. M. Farrington.....	do	179.20							
29	W. J. Cowling.....	do	143.40							
29	P. L. Lyles.....	do	127.40							
29	R. S. Forbes.....	do	111.60							
29	E. B. Jones.....	do	95.60							
29	Mary Sullivan.....	do	79.60							
29	R. P. Logan.....	do	57.40							
29	M. T. Dent.....	do	52.60							
	Total for month .....	\$2,083.14	1,508.77				8.65			565.72
Mar.	V. G. Fischer.....	Stationery								3.25
3	William S. Devoe.....	Salary and expenses, Feb. 29	5.50				3.92			33.19
10	B. Westermann & Co.....	Books								1.25
12	A. S. Mercer.....	Salary for Feb	127.40							16.00
17	John C. Farker.....	Letter clip								117.53
19	Wyckoff, Seamans & Benedict.....	Repairs to type-writer								16.13
19	do	Type-writer and sundries								12.50
19	do	Stationery								5.00
12	V. G. Fischer.....	Charges, Feb								
19	Western Union Telegraph Co., Capitol, North O St. and South Wash- ington Railway Company.	Street-car tickets								
31	Wm. H. Briggs.....	Supreme Court Digest								
31	D. E. Salmon.....	Salary for Mar	255.50							
31	Miles Fuller.....	do	127.70							
31	W. J. Cowling.....	do	153.30							
31	A. M. Farrington.....	do	191.65							
31	P. L. Lyles.....	do	136.30							
31	Robt. S. Forbes.....	do	119.20							
31	E. B. Jones.....	do	102.20							
31	Mary Sullivan.....	do	85.20							
31	Mary T. Dent.....	do	56.20							

*Expended from the appropriation for 1887-'88—Continued.*  
 WASHINGTON AND MISCELLANEOUS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1888, Mar. 31	R. P. Logan		Salary for Mar.....	\$61.30		
			Total for month.....	1,441.85	\$3.92	\$207.84
Apr. 3	H. Baumgarten		Rubber stamps			1.75
10	A. M. Farrington		Expenses, Mar.		14.75	15.25
11	Chesapeake & Potomac Telephone Co.		Rental, Jan. to Mar.			
13	A. S. Mercer		Salary and expenses, Mar.	136.30	95.02	103.90
9	J. C. Parker		Stationery			27.06
20	Western Union Telegraph Co.		Charges, Mar.			60.00
20	H. Baumgarten		Badges			20.00
20	J. F. Paret		Stationery			
30	D. E. Salmon		Salary for Apr.	247.25		
30	Miles Fuller		do	123.60		
30	A. M. Farrington		do	185.40		
30	W. J. Cowing		do	148.30		
30	P. L. Lyles		do	131.90		
30	Robt. S. Forbes		do	115.40		
30	E. B. Jones		do	115.40		
30	Mary Sullivan		do	82.40		
30	Mary T. Dent		do	74.20		
30	R. P. Logan		do	59.30		
			Total for month.....	1,419.45	109.77	227.96
May 10	A. S. Mercer		Salary for Apr.	131.90		21.57
15	B. Westermann & Co.		Books			8.00
15	Adams Express Co.		Charges, Apr			3.08
16	J. U. Burket		Batteries			3.64
19	Western Union Telegraph Co.		Charges, Apr			32.65
23	J. C. Parker		Stationery			12.50
24	Capitol North O Street and South Washington Railway Company		Street-car tickets			
26	A. S. Mercer		Salary, May 1 to 21.	92.31		
31	D. E. Salmon		Salary, May	255.50		
31	Miles Fuller		do	127.80		
31	A. M. Farrington		do	191.70		
31	W. J. Cowing		do	133.40		
31	P. L. Lyles		do	136.20		
31	Robt. S. Forbes		do	119.20		
31	E. B. Jones		do	119.20		
31	Mary Sullivan		do	85.20		

[illegible]



*Statement of the appropriation for 1888-'89, July 1 to November 30, 1888.*

	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.	Total.	Number of animals.	
							Affected.	Exposed.
New York.....	\$44,356.74	\$7,103.54	\$3,365.59	\$17,275.74	\$27,055.04	\$99,156.65	549	1,020
New Jersey.....	18,569.05	3,754.15	1,046.91	3,812.50	10,075.50	37,258.11	771	415
Pennsylvania.....	16,282.41	1,086.26	938.73	234.00	1,480.00	20,927.40	15	57
Maryland.....	18,027.94	4,031.28	801.67	4,003.03	8,597.15	35,923.07	148	368
Texas.....	601.60	259.90	.....	.....	.....	861.50	.....	.....
Scientific investigations.....	3,491.96	117.43	1,699.53	.....	.....	5,308.92	.....	.....
Collecting information.....	1,845.50	840.09	12.58	.....	.....	2,698.17	.....	.....
Investigating reported diseases.....	224.00	227.32	1.20	.....	.....	452.52	.....	.....
Washington and miscellaneous.....	7,218.07	57.75	1,610.95	.....	.....	8,886.77	.....	.....
Total.....	110,617.27	18,377.72	9,537.16	25,324.27	47,216.69	211,073.11	883	1,860

Expended from the appropriation for 1888-'89, by States—Continued.

## NEW YORK.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888, July 26	Anna Weinman	Queens County	9 animals					\$239.00
26	do	do	11 animals				\$252.00	
			Total for month	\$491.00			252.00	239.00
Aug. 2	Adolph Bevers	Deputy	Salary and expenses, July 5 to 31	\$73.37	\$5.17			
3	Wm. H. Catlin		Salary and expenses, July	260.00	25.12			
3	Thos. J. Herr	do	do	248.00	44.28			
3	John J. Foy	do	do	101.10	77.50			
3	Wm. Rose	do	do	151.60	2.62			
3	Jas. Anderson	do	do	134.80	11.87			
3	A. K. Robertson	do	do	134.80	2.82			
3	Sidney Shepherd	Clerk	Salary for July	126.40				
3	W. J. Watt <i>et al</i>	Disinfectors	Salaries, July	1, 168.25				
3	Ch. B. Michener	do	Salary and expenses, July	224.00	11.63			
4	John P. Bond	do	do	208.00	11.78			
4	H. S. Vanderhoff	do	do	134.80	45.00			
4	Albert Stern	Deputy	do	84.20	12.52			
4	J. B. Trull	Clerk	Salary and expenses, July 10 and 14 to 31	61.97	60.67			
4	F. B. Huyler	do	Salary for July	84.20				
4	N. H. Kirkland	do	Salary for July 6 to 31	70.65				
4	C. W. Neilson	do	Salary for July 9 to 31	62.50				
4	J. B. Docharty	do	Salary for July	101.10				
6	W. H. Rose	Westchester County	3 animals					90.00
7	R. J. Mcnair	Deputy	Salary and expenses, July 5 to 31	73.37	2.42			
7	Chas. Magrane	do	Salary and expenses, July	84.20	12.39			
7	J. J. Hearne	do	Salary for July 9 to 31	62.50				
7	John Missie	Richmond County	9 animals					361.35
7	do	do	5 animals				140.45	
7	Philip Mohan	New York County	2 animals				46.50	
7	Philip Mohan <i>et al</i>	do	25 animals					661.50
10	Patrick McCabe	New York City	14 animals	84.20	62			427.00
10	Jas. F. O'Brien	Deputy	Salary and expenses, July	65.22	12.32			
10	E. D. Vaughn	do	Salary and expenses, July, 24 days	65.22	12.32			
10	Jas. Wall	do	do	62.50	.72			
10	W. P. Wallace	do	Salary and expenses, July 9 to 31	13.59				
10	P. J. McIntyre	do	Salary for July 27 to 31	84.20	30.00			
10	C. A. Gleason	do	Salary and expenses, July	62.50	22.98			
10	E. W. Kraft	do	Salary and expenses, July 9 to 31	67.93	2.02			
10	C. L. Leopold	do	Salary and expenses, July 7 to 31	16.30	7.43			
10	Augustus Mott	do	Salary and expenses, July 26 to 31					

*Expended from the appropriation for 1888-'89 by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Aug. 10	Wm. Ramsey.	Deputy	Salary for July 9 to 31.	\$62.50				
13	Thos. W. Shute.	do	Salary for July 10 to 31.	59.78				
13	Wm. J. Houday.	do	Salary and expenses, July.	84.20	\$45.00			
13	James Bagley.	do	do	84.20	11.87			
13	Daniel Fox.	do	Salary and expenses, July 9 to 31.	62.50	22.26			
13	Wm. Sheehan.	do	Salary for July.	84.20				
13	Alex. Devlin, jr.	do	Salary for July 9 to 31.	62.50				
14	J. M. Wainwright.	do	Salary and expenses, July 7 to 31.	122.28	4.15			
14	Jos. Fallon.	Deputy	Salary and expenses, July.	84.20	7.47			
14	Thos. J. Talbot.	do	do	84.20	29.03			
14	J. Connors.	do	do	84.20	3.82			
14	Geo. A. Woods.	do	do	84.20	2.73			
14	M. Campbell.	do	Salary and expenses, July 9 to 31.	62.50	8.37			
14	C. T. Alexander.	New York	Janitor's services, July.	62.50		\$8.00		
14	N. Conzet.	Deputy	Salary for July 9 to 31.	208.00				
14	P. B. Brady.	do	do	62.50				
16	N. H. Paaren.	do	Salary and expenses, July.	84.20				
16	Wm. Bulmer.	Deputy	do	62.50				
16	Jas. W. Smith.	do	do	62.50				
16	Wm. J. Hines.	do	do	12.73				
16	Thos. L. Mottram.	do	Salary and expenses, July, 25 days.	33.14				
16	Wm. Hogan.	do	Salary and expenses, July 7 to 31.	84.20	29.54			
16	Jas. McCarthy.	do	Salary and expenses, July.	67.93	24.19			
16	J. E. Sharkey.	do	Salary and expenses, July 9 to 31.	67.93	24.19			
16	John McCloskey.	do	do	84.20	3.12			
16	Merry Bodes.	do	do	62.50	22.26			
16	T. E. D. Power.	do	do	62.50	9.87			
16	Peter Dickerson.	New York	Office rent, July.	62.50	7.32			
16	Geo. J. Murphy.	Deputy	Salary for July.	62.50	3.12			
16	H. Hesterberg.	do	do	84.20		108.32		
16	Jas. Thompson.	do	Salary for July 7 to 31.	84.20				
16	G. L. Cohn.	do	Salary for July 9 to 31.	67.93				
16	Chas. Hendrickson.	do	do	62.50				
16	James Law.	do	do	23.00				
18	Lucian T. Bell.	do	Salary for July 26 to 31.	16.30				
18	J. C. Jackson.	do	Salary and expenses, July.	520.00	10.17	2.30		
18	G. W. Gilbert.	do	do	208.00	45.00			
18	H. W. Bath.	do	Salary and expenses, July.	134.80	83.96			
18	J. S. Candee.	do	do	101.10	118.44			
18	John Ducey.	do	do	151.60	41.02			
18	Jas. W. Curran.	New York	Fitting cattle-pen, July.	134.80	31.62			
18		Deputy	Salary and expenses, July.	84.20	29.03	150.00		



18	Jos. Acton.....	do	Salary and expenses, July, 20 days.	78.80	29.03	
18	Fred. Drews.....	do	do	78.80	29.03	
18	Thos. G. Willson.....	Appraiser	Salary and expenses, July 13 to 31	61.96	41.95	
18	Thos. M. Farrell.....	Deputy	Salary and expenses, July 7 to 31	67.93	24.19	
18	Jas. H. Smith.....	do	Salary and expenses, July	84.20	1.70	
18	J. C. Shandley.....	do	Salary and expenses, July 9 to 31	62.50	22.56	
18	J. J. Kellum.....	do	Salary and expenses, July 11 to 31	57.07	20.32	
18	Richard Murphy.....	do	Salary and expenses, July 9 to 31.	62.50	7.28	
18	Wm. A. Clancy.....	do	do	62.50	7.28	
18	W. E. Kavanagh.....	do	Salary and expenses, July, 18 days.	48.91	18.39	
18	Horatio Young.....	do	Salary and expenses, July 16 to 31.	43.48	6.92	
18	Canda & Kane.....	New York	Time	105.00		
18	B. N. Sneteker.....	Deputy	Salary for July 13 to 31	51.63		
18	E. P. Golden.....	do	Salary for July 24 to 31	21.74		
18	Frank Ketcham.....	do	Salary for July 8 days	8.00		
20	Jas A Breakell.....	do	Salary and expenses, July	134.80	105.94	
20	J. E. Ryder.....	do	do	134.80	25.60	
20	R. H. Palmer.....	Deputy	Salary and expenses, July 9 to 31.	84.20	5.50	
20	H. Ehrenspeck.....	do	Salary for July 23 to 31	62.50	6.58	
20	Elias Slood.....	do	Salary for July 23 to 31	24.46		\$20.00
20	John Ruppert.....	Kings County	1 animal			
20	L. do.....	do	6 animals			
20	L. Edelmuth.....	New York County	42 animals			
20	J. H. Hilliker.....	Queens County	31 animals			
20	do.....	do	16 animals			
22	J. J. Cunningham.....	Deputy	Salary and expenses, July 25 to 31	19.02	7.69	
22	Benj. Hantz.....	do	Salary for July, 18 days	48.91		
25	J. G. Lane.....	do	Salary for July 27 to 31	13.59		
25	C. W. Neilson.....	Clerk	Salary for July 6 to 8	8.15		
25	Wing & Evans.....	New York	Bleaching powder	245.11		
25	Trow's Printing and Book-binding Company.....	do	Stationery	106.13		
25	Regardus, Ellaby & Ellsworth.....	do	Sundries	44.55		
25	T. J. Blair.....	do	Office furniture	18.50		
25	Hoole Manufacturing Co.....	do	Soldering tags	7.72		
27	C. C. John Grohman.....	Queens County	5 animals			182.56
27	do.....	do	1 animal			
31	R. A. McLean.....	do	Salary and expenses, July	200.00	136.35	
			Total for month.....	\$15,740.71		
4	J. B. Trull.....	Clerk	Salary and expenses, Aug. 1 to 13	9,357.47	1,573.62	2,563.44
4	N. H. Kirkland.....	do	Salary for Aug	49.46	43.80	
4	G. J. Murphy.....	Deputy	do	84.20		
4	Jos. J. Hearne.....	do	do	84.20		
4	P. B. Brady.....	do	do	84.20		
4	F. B. Huyler.....	Clerk	do	84.20		
4	J. B. Docharty.....	do	do	101.10		
4	Sidney Shepherd.....	do	do	126.40		
8	D. E. Salmon.....	do	Expenses, July 27 to 30		21.60	
11	W. J. Watt et al.....	Disinfectors	Salaries, Aug	1,941.40		
11	Augustus Mott.....	Deputy	Salary and expenses, Aug	84.20	31.32	

*Expended from the appropriation for 1888-'89, by States—Continued.*  
NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888								
Sept. 11	J. M. Wainwright		Salary and expenses, Aug	\$151.60	\$7.95			
11	Thos. J. Herr		do	238.00	44.44			
11	Wm. H. Cathin		do	270.02	12.22	\$0.34		
11	C. T. Alexander	New York	Janitor's services			8.00		
11	Chas. A. Hill	Westchester County	14 animals					
11	do	do	33 animals				\$564.00	
12	A. K. Robertson		Salary and expenses, Aug					\$1,094.50
12	Chas. Magrane	Deputy	do	134.80	2.72			
12	Jos. Fallon	do	do	84.20	10.77			
12	Adolph Bevers	do	do	84.20	8.72			
12	C. W. Neilson	do	do	84.20	5.60			
12	G. A. Woods	do	do	84.20	3.17			
12	N. H. Paaren	do	do	84.20	2.82			
12	C. L. Leopold	Deputy	do	216.00	13.00			
12	J. S. Candee	do	do	84.20	3.12			
13	Wm. Bulmer	Deputy	do	134.80	47.62			
13	Jas. Hyatt	do	do	84.20	34.95			
13	J. E. Sharkey	do	Salary and expenses, July, 30 days	81.52	26.00			
13	Jas. Bagley	do	Salary and expenses, Aug	84.20	14.22			
13	John McCloskey	do	do	84.20	13.55			
13	R. J. Menair	do	do	84.20	4.22			
13	J. H. Smith	do	do	84.20	2.82			
13	Ch. B. Michener	do	do	84.20	.68			
19	Lucian T. Bell	do	do	248.00	15.02			
19	W. S. Devoe	do	Salary and expenses, Aug, 28 and 29	216.00	45.00	.48		
19	John P. Bond	do	Salaries and expenses, Aug	16.00	3.12			
19	H. W. Bath	do	do	216.00	25.63			
19	H. S. Vanderhoff	do	do	151.60	41.42			
19	Thos. G. Willson	Appraiser	do	134.80	45.00			
19	Wm. Rose	do	do	101.10	60.80	2.76		
19	Jas. Anderson	do	do	151.60	3.42			
19	Jas. Hyatt	Deputy	do	134.80	13.67			
19	Albert Stern	do	do	84.20	28.60			
19	M. Campbell	do	do	84.20	21.58			
19	E. Bryant	do	do	84.20	18.30			
19	Jas. Wall	do	do	84.20	15.12			
19	E. D. Vaughn	do	do	84.20	13.72			
19	Rich. Murphy	do	do	84.20	13.72			
19	W. A. Clancy	do	do	84.20	10.68			
19	Horatio Young	do	Salary and expenses, Aug., 29 days	78.80	14.92			
19	Henry Bodes	do	Salary and expenses, Aug.	84.20	4.47			



19	J. Connors	do	do	do	do	84.20	3.60	.....
19	Jos. Acton	do	do	Salary and expenses, Aug., 30 days	do	81.32	30.00	.....
19	P. Dickson	do	do	Salary and expenses, Aug., 27 days	do	78.80	30.00	.....
19	W. E. Kavanagh	do	do	Salary and expenses, Aug., 27 days	do	73.37	30.00	.....
19	Dan'l Fox	do	do	Salary and expenses, Aug.	do	84.20	30.00	.....
19	J. C. Shandley	do	do	do	do	84.20	30.00	.....
19	J. W. Curran	do	do	do	do	84.20	30.00	.....
19	C. A. Gleason	do	do	do	do	84.20	30.00	.....
19	E. W. Kraft	do	do	do	do	84.20	30.00	.....
19	Jas. W. Smith	do	do	do	do	84.20	30.00	.....
19	T. Wright	do	do	do	do	84.20	30.00	.....
19	J. J. Kellum	do	do	do	do	84.20	30.00	.....
19	J. J. Cunningham	do	do	do	do	84.20	30.00	.....
19	T. L. Mottram	do	do	do	do	84.20	30.00	.....
19	T. M. Farrell	do	do	do	do	84.20	30.00	.....
19	Thos. J. Talbot	do	do	do	do	84.20	30.00	.....
19	W. P. Wallace	do	do	Salary for August	do	84.20	30.00	.....
19	J. F. O'Brien	do	do	do	do	84.20	.....	.....
19	Nicholas Conzet	do	do	do	do	84.20	.....	.....
19	H. Hesterberg	do	do	do	do	84.20	.....	.....
19	E. P. Golden	do	do	do	do	84.20	.....	.....
19	John G. Lane	do	do	do	do	84.20	.....	.....
19	Chas. Hendrickson	do	do	do	do	84.20	.....	.....
19	Wm. Hogan	do	do	do	do	84.20	.....	.....
19	Wm. Ramsey	do	do	do	do	84.20	.....	.....
19	Alex. Devlin, Jr.	do	do	do	do	84.20	.....	.....
19	P. J. McIntyre	do	do	Salary for Aug., 28 days	do	84.20	.....	.....
19	H. Rhenspeck	do	do	Salary for Aug., 30 days	do	76.09	.....	.....
19	Elias Sloat	do	do	Salary for Aug., 27 days	do	81.52	.....	.....
19	Wm. Sheehan	do	do	do	do	73.37	.....	.....
19	Wm. E. Hendrickson	Richmond County	do	1 animal	do	.....	40.13	.....
19	A. H. Sonn <i>et al</i>	Queens County	do	29 animals	do	1,008.75	.....	.....
19	do	do	do	78 animals	do	535.00	.....	.....
19	J. H. Gimpel <i>et al</i>	Kings County	do	19 animals	do	.....	1,548.00	.....
19	do	do	do	42 animals	do	.....	3,574.50	.....
19	Embree Hill <i>et al</i>	Westchester County	do	115 animals	do	.....	.....	.....
19	Jas. Law	do	do	Salary and expenses, Aug.	do	520.00	4.52	.....
22	do	do	do	Dis. corps and misc. exp., July and Aug.	do	14.94	17.55	.....
22	do	do	do	do	do	12.84	12.19	.....
22	J. E. Ryder	do	do	Salary and expenses, Aug.	do	134.80	12.55	.....
22	J. A. Breakell	do	do	do	do	134.80	109.67	.....
22	G. W. Gilbert	do	do	do	do	101.10	115.16	.....
22	J. J. Foy	do	do	do	do	101.10	112.50	.....
22	Fred. Drews	Deputy	do	Salary and expenses, Aug., 30 days	do	81.52	34.47	.....
22	T. W. Shute	do	do	Salary and expenses, Aug.	do	84.20	.....	.....
22	Jas. Thompson	do	do	Salary for Aug., 30 days	do	81.52	.....	.....
22	Benj. Hants	do	do	Salary for Aug., 27 days	do	73.37	.....	.....
22	N. H. Kirkland	do	do	Salary for Sept. 1 to 15	do	40.76	.....	.....
22	G. L. Cohn	do	do	Salary for Aug.	do	31.00	.....	.....
22	Frank Keitcham	do	do	Salary for Aug., 25 days	do	23.00	.....	.....
22	W. J. Holiday	do	do	Salary and expenses, Aug.	do	84.20	45.00	.....



## Expended from the appropriation for 1888-'89 by States—Continued.

## NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Sept. 22	Jas. McCarthy	Deputy	Salary and expenses, Aug., 30 days.	\$31.52	\$30.00			
22	Wm. J. Hines	do	Salary and expenses, Aug., 27 days.	73.37	30.00			
22	Canda & Kane	New York	Lime			\$204.50		
22	Wing & Evans	do	Blanching-powder			138.61		
22	A. S. Barnes & Co.	do	Stationery			105.55		
22	Bogardus, Ellaby & Ellsworth.	do	Sundries			64.58		
22	Gleason & Bailey Mfg Co.	do	do			1.20		
22	do	do	do			11.00		
22	The Gutta-Percha and Rubber Manufacturing Company.	do	Hose, etc			8.44		
22	do	do	do			7.73		
22	do	do	Hose			7.50		
22	Hoole Manufacturing Company	do	Tags			175.00		
22	do	do	Tags, etc			354.75		
22	W. S. Devoe	do	Disinfectant's expenses, Aug		49.52			
22	B. N. Snedeker	Deputy	Salary for Aug., 27 days	73.37				
25	J. C. Jackson	do	Salary and expenses, Aug	134.80	75.88		\$416.50	
25	Edw. Colgan <i>et al</i>	Kings County	16 animals				\$436.00	
25	do	do	18 animals					
25	Lewis Federer <i>et al</i>	New York County	15 animals				405.50	
25	do	do	21 animals				67.00	
25	B. J. Powers <i>et al</i>	Queens County	2 animals					108.00
25	do	do	5 animals					70.00
25	E. A. Gibbens <i>et al</i>	Westchester County	3 animals					
			Total for month	11,519.08	1,885.35	1,125.08	4,544.75	8,759.25
Oct. 1	Sidney Shepherd	Clerk	Salary for Sept. 1 to 15.	61.14				
1	Henry Doht	Queens County	32 animals				1,042.25	1,215.00
1	do	do	30 animals				55.00	
1	Henry Freeman	do	2 animals					
4	Adolph Bevers	Deputy	Salary for Sept.	81.60				
4	C. W. Neilson	Clerk	do	81.60				
6	Wm. H. Catlin	do	Salary and expenses, Sept	250.00	19.62			
6	W. S. Devoe	do	do	250.00				
6	Miles Adams	Appraiser	Salary and expenses, July 9 to 31	250.00				
6	P. B. Brady	Deputy	Salary for Sept.	75.00	77.49			
6	Edw. Devoe	Clerk	do	114.20				
6	J. B. Docharty	do	do	97.80				
6	F. B. Huyler	do	do	81.60				
6	M. L. Phillips	do	do	81.60				

6	W. W. Craig	do	Salary for Sept. 17 to 30	38.04		
6	W. J. Watt <i>et al.</i>	Disinfectors	Salaries, Sept.	1,846.70		
9	J. M. Wainwright	do	Salary for Sept.	146.80		
9	P. J. McIntyre	Deputy	do	81.60		
9	Geo. J. Murphy	do	do	81.60		
9	John G. Lane	do	do	81.60		
9	G. L. Cohn	do	do	81.60		
9	Jos. J. Hearne	do	do	30.00		
9	C. T. Alexander	New York	Janitor's services, Sept.		8.00	
10	H. S. Vanderhoff	do	Salary and expenses, Sept.	130.40		
10	T. W. Shute	Deputy	do	81.60		
10	T. E. Sharkey	do	do	18.02		
10	Albert Stern	do	do	13.77		
10	Jas. Bagley	do	do	81.60		
10	M. Campbell	do	do	12.07		
10	Jos. Fallon	do	do	81.60		
10	John McCloskey	do	do	11.07		
10	Chas. Magrane	do	do	81.60		
10	C. L. Leopold	do	do	9.17		
10	Geo. A. Woods	do	do	8.67		
10	Wm. Bulmer	do	do	81.60		
10	Wm. A. Clancy	do	do	81.60		
10	Thomas L. Mottram	do	do	3.52		
10	J. J. Cunningham	do	do	2.62		
10	Jos. Acton	do	do	81.60		
10	Wm. Hogan	do	do	8.12		
10	W. P. Wallace	do	Salary for Sept.	30.00		
10	Alex. Devlin, jr	do	Salary for Sept., 29 days	30.00		
10	Elias Sloat	do	Salary for Sept., 28 days	81.60		
10	B. N. Sudeker	do	do	78.80		
10	John Carmell <i>et al.</i>	Kings County	do	76.09		
10	do	do	Salary for Sept., 23 days	62.50		
10	do	do	9 animals			
10	do	do	32 animals			
10	do	do	12 animals			
10	do	do	60 animals			
10	do	do	3 animals			
10	do	do	18 animals			
10	do	do	12 animals			
10	do	do	Salary and expenses, Sept.			
10	do	do	do	240.00		
10	do	do	do	45.12		
10	do	do	do	240.00		
10	do	do	do	16.32		
10	do	do	do	240.00		
10	do	do	do	62.00		
10	do	do	do	200.00		
10	do	do	do	10.87		
10	do	do	do	146.80		
10	do	do	do	8.52		
10	do	do	do	81.60		
10	do	do	do	8.12		
10	do	do	do	4.05		
10	do	do	do	81.60		
10	do	do	do	3.87		
10	do	do	do	2.62		
10	do	do	Salary for Sept.	81.60		
10	do	do	Salary and expenses, Sept.	30.00		
10	do	do	do	81.60		
10	do	do	Salary for Sept., 25 days	67.93		
10	do	do	Salary for Sept.	81.60		
10	do	do	do	81.60		
10	do	do	do	30.00		
10	do	do	do	484.00		
10	do	do	do	368.40		
10	do	do	do	2,033.00		
10	do	do	do	1,068.50		
10	do	do	do	425.00		
10	do	do	do	76.00		
10	do	do	do	313.50		
10	do	do	do	78.80		
10	do	do	do	76.09		
10	do	do	do	62.50		
10	do	do	do	81.60		
10	do	do	do	78.80		
10	do	do	do	76.09		
10	do	do	do	62.50		
10	do	do	do	81.60		
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10	do	do	do	78.80		
10	do	do	do	76.09		
10	do	do	do	62.50		
10	do	do	do	81.60		
10	do	do	do	78.80		
10	do	do	do	76.09		
10	do	do	do	62.50		
10	do	do	do	81.60		
10	do	do	do	78.80		
10	do	do				



*Expended from the appropriation for 1888-'89, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888,								
Oct. 10	Wm. Ramsey	Deputy	Salary for Sept.	\$81.60				
10	N. Conzet	do	do	81.60				
10	Jas. W. Smith	do	Salary and expenses, Sept.	81.60	\$30.00			
10	Thos. M. Farrell	do	do	81.60	30.00			
10	Thos. J. Talbot	do	do	81.60	30.00			
12	Miles Adams	Appraiser	Salary and expenses, Aug.	101.10	114.03			
12	Jas. A. Breakell	do	Salary and expenses, Sept.	130.40	84.65			
12	John P. Bond	do	do	200.00	7.72			
12	J. S. Candee	do	do	30.00	30.00			
12	Jas. Anderson	do	do	130.40	12.02			
12	Horatio Young	Deputy	do	81.60	13.12			
12	A. K. Robertson	do	do	138.05	3.82			
12	Jas. W. Curran	Deputy	do	81.60	30.00			
12	Augustus Mott	do	do	81.60	30.00			
12	Daniel Fox	do	do	81.60	30.00			
12	Jas. F. O'Brien	do	Salary for Sept.	81.60				
12	E. Bryant	do	do	81.60				
12	H. Hesterberg	do	do	81.60				
12	Benj. Hants	do	do	81.60				
12	Bogardus, Ellaby & Ellsworth.	New York	Salary for Sept., 22 days.	59.78		\$25.00		
12	Frank Ketcham	Deputy	Hog rings, etc.					
12	John Allen	do	Salary for Sept., 14 days.	14.00				
12	do	do	Salary for Sept., 23 days.	62.50				
12	Wing & Evans	do	Salary for Sept., 18 days.	48.91				
12	Canda & Kane.	New York	Bleaching powder			257.19		
12	Hoole Manufacturing Co.	do	Lime			101.50		
12	do	do	Tags.			103.00		
13	C. A. Gleason.	Deputy	Salary and expenses, Sept., 29 days.	78.80	31.76			
13	W. S. Devoe	do	Expenses, disinfectors, Sept.	50.78	78.12			
13	W. D. Hines	Deputy	Salary and expenses, Sept., 22 days.	78.80	22.00			
13	Jas. Thompson	do	Salary for Sept., 29 days.	78.80				
13	W. J. Hobday	do	Salary and expenses, Sept.	81.60	45.00			
13	Jas. McCarthy	do	Salary and expenses, Sept., 29 days.	78.80	29.00			
13	E. W. Kraft	do	do	78.80	29.00			
13	Fred. Drevs	do	Salary and expenses, Sept., 28 days.	76.09	28.00			
13	J. C. Shumley	do	do	76.09	28.00			
13	W. E. Kavanagh	do	Salary and expenses, Sept., 23 days.	62.50	23.00			
13	P. Dickerson	do	Salary and expenses, Sept., 14 days.	38.04	14.00			
18	H. W. Bath	do	Salary and expenses, Sept., 25 days.	122.28	40.72			
18	Jas. Hyatt	Deputy	Salary and expenses, Sept., 29 days.	78.80	22.12			
18	Jas. Wall	do	Salary and expenses, Sept.	81.60	17.82			
18	E. D. Vaughn	do	do	81.60	17.82			



18	H. Ehrenspeck	.....do	Salary and expenses, Sept., 26 days	70.65	1.44	.....	.....	.....	.....
18	Thos. G. Willson	Appraiser	Salary and expenses, Sept.	97.80	53.17	3.00	.....	.....	.....
19	R. A. McLean	.....do	Salary and expenses, Aug.	240.00	162.07	.....	.....	.....	.....
20	J. C. Jackson	.....do	Salary and expenses, Sept.	130.40	64.00	.....	.....	.....	.....
20	John J. Foy	.....do	.....do	97.80	47.15	3.50	.....	.....	.....
23	Gleason & Bailey Manufac- turing Company	New York	Piston-rod, etc.	.....	.....	.....	.....	.....	.....
23	R. H. Palmer	Deputy	Salary for Sept.	81.60	.....	.....	.....	.....	.....
23	.....do	.....do	Salary and expenses, Aug.	84.20	2.60	.....	.....	.....	.....
24	Geo. Walter <i>et al.</i>	Kings County	44 animals	.....	\$1,427.00	.....	.....	.....	.....
24	.....do	.....do	73 animals	.....	.....	.....	.....	.....	.....
24	Edw. O. Keefe <i>et al.</i>	Queens County	17 animals	.....	.....	.....	.....	.....	.....
24	.....do	.....do	59 animals	.....	.....	.....	.....	.....	.....
24	Wm. Mirr	.....do	1 animal	.....	.....	.....	.....	.....	.....
24	.....do	.....do	2 animals	.....	.....	.....	.....	.....	.....
24	Isaac Frank	.....do	1 animal	.....	.....	.....	.....	.....	.....
24	H. Baumgarten	Washington	Tags	.....	.....	.....	.....	.....	.....
25	.....do	.....do	Stationery	.....	.....	.....	.....	.....	.....
26	Martin B. Brown	New York	Disinfectors' and miscellaneous expenses, July, Aug., Sept.	.....	19.44	.....	.....	.....	.....
31	W. S. Devoe	.....do	Salary and expenses, Sept.	97.80	96.05	.....	.....	.....	.....
31	G. W. Gilbert	Disinfectors	Salaries, Oct.	1,948.15	.....	.....	.....	.....	.....
31	W. J. Wait <i>et al.</i>	.....do	Salary and expenses, Sept.	130.40	28.10	.....	.....	.....	.....
30	J. E. Rider	New York	Toll service and exchange rental	.....	.....	13.70	.....	.....	.....
30	The Metropolitan Telephone and Telegraph Company	.....do	.....do	.....	.....	13.85	.....	.....	.....
Nov. 2	Edward Devoe	Clerk	Total for month	13,249.81	1,912.52	812.17	3,781.95	8,191.55	.....
2	J. E. Docharty	.....do	Salary for Oct.	117.90	.....	.....	.....	.....	.....
2	C. W. Neilson	.....do	.....do	101.10	.....	.....	.....	.....	.....
2	M. L. Phillips	.....do	.....do	84.20	.....	.....	.....	.....	.....
2	Adolph Bevers	.....do	.....do	84.20	.....	.....	.....	.....	.....
2	F. B. Huyler	.....do	.....do	84.20	.....	.....	.....	.....	.....
2	P. B. Brady	.....do	.....do	84.20	.....	.....	.....	.....	.....
2	W. W. Craig	.....do	.....do	84.20	.....	.....	.....	.....	.....
2	J. J. Hearne	.....do	.....do	84.20	.....	.....	.....	.....	.....
2	T. W. Shute	.....do	.....do	84.20	.....	.....	.....	.....	.....
3	Rudolph Kannow	Deputy	Salary and expenses, Oct. 25 to 31	19.02	1.92	.....	.....	.....	.....
3	Geo. A. Woods	.....do	Salary and expenses, Oct.	84.20	1.52	.....	.....	.....	.....
3	Chas. Magrane	.....do	.....do	84.20	5.97	.....	.....	.....	.....
3	M. Campbell	.....do	.....do	84.20	8.17	.....	.....	.....	.....
3	Jos. Fallon	.....do	.....do	84.20	10.82	.....	.....	.....	.....
3	N. H. Paaren	.....do	.....do	216.00	11.64	.....	.....	.....	.....
3	A. K. Robertson	.....do	.....do	151.60	5.38	.....	.....	.....	.....
3	C. B. Michener	.....do	.....do	248.00	20.85	.....	.....	.....	.....
3	John P. Bond	.....do	.....do	232.00	7.37	.....	.....	.....	.....
3	H. S. Vanderhoff	.....do	.....do	134.80	45.00	.....	.....	.....	.....
3	Wm. Rose	.....do	.....do	151.60	2.92	.....	.....	.....	.....
3	Jas. Anderson	.....do	.....do	134.80	13.12	.....	.....	.....	.....
3	J. E. Sharkey	Deputy	.....do	84.20	14.62	.....	.....	.....	.....

*Expended from the appropriation for 1888-'89, by States—Continued.*  
NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Nov.	Albert Stern	Deputy	Salary and expenses, Oct	\$84.20	\$13.49			
3	Jas. Bagley	do	do	84.20	13.07			
3	Wm. A. Clancy	do	do	84.20	8.67			
3	Rich. Murphy	do	do	84.20	8.67			
3	Henry Bodes	do	do	84.20	4.80			
3	J. S. Candee	do	do	134.80	44.33			
3	R. J. Menair	Deputy	do	84.20	2.82			
3	John McCloskey	do	do	84.20	5.57			
3	P. J. McIntyre	do	Salary for Oct	84.20				
3	N. Conzet	do	do	84.20				
3	Daniel Fox	do	Salary and expenses, Oct	84.20	30.00			
3	Jas. W. Smith	do	do	84.20	30.00			
3	C. T. Alexander	New York	Janitor's services, Oct			\$8.00		
3	G. L. Coln	Deputy	Salary for Oct	31.00				
3	G. J. Murphy	do	do	84.20				
3	Wm. Ramsey	do	do	84.20				
5	Wm. H. Catlin	do	Salary and expenses, Oct	270.00	22.77			
5	J. E. Ryder	do	do	134.80	22.95			
5	J. M. Wainwright	do	do	151.60	11.20			
5	Horatio Young	Deputy	do	84.20	18.52			
5	C. L. Leopold	do	do	84.20	3.42			
5	W. E. Kavanagh	do	do	84.20	30.00			
5	Augustus Mott	do	do	84.20	30.00			
5	Fred. Droys	do	do	84.20	30.00			
5	Thos. M. Farrell	do	do	84.20	30.00			
5	T. J. Talbot	do	do	84.20	30.00			
5	T. Wright	do	do	84.20	30.00			
5	J. C. Shandley	do	do	84.20	30.00			
5	J. W. Curran	do	do	84.20	30.00			
5	J. J. Cunningham	do	do	84.20	30.00			
5	Thos. L. Mottram	do	Salary and expenses, Oct, 30 days	81.52	29.01			
5	Alex. Devlin, Jr.	do	Salary for Oct	84.20				
5	H. Hesterberg	do	do	84.20				
5	Chas. Hendrickson	do	do	84.20				
5	E. Bryant	do	do	84.20				
5	P. J. Thomas	do	Salary for Oct, 30 days	81.52				
5	J. G. Laue	do	Salary for Oct	84.20				
5	E. P. Golden	do	do	84.20				
7	Thos. J. Herr	do	Salary and expenses, Oct	248.00	16.77			
7	H. W. Bath	do	do	151.60	40.72			
7	Jas. H. Smith	Deputy	do	84.20	6.93			



7	Wm. Bulmer	do	do	do	84.20	30.00			
7	C. A. Gleason	do	do	do	84.20	30.00			
8	G. W. Gilbert	do	do	do	101.10	65.44			
8	E. W. Kraft	Deputy	do	Salary and expenses, Oct., 30 days	81.52	29.01			
8	Wm. Sheehan	do	do	Salary for Oct.	84.20				
8	Wm. Hogan	do	do	Salary for Oct., 30 days	81.52				
8	W. P. Wallace	do	do	do	81.52				
8	Elias Slout	do	do	Salary for Oct., 29 days	78.89				
10	John Allen	do	do	Salary for Oct., 18 days	48.91				
10	Mary Delmar <i>et al.</i>	Kings County	do	55 animals				\$1,856.10	
10	J. D. Van Wagener	do	do	74 animals					
10	J. H. Gebhard <i>et al.</i>	Ulster County	do	1 animal					
10	do	Queens County	do	48 animals				1,545.89	
10	do	do	do	64 animals					
10	Mrs. Phebe J. Arnow <i>et al.</i>	Westchester County	do	3 animals				113.60	
10	do	do	do	2 animals					23.50
13	W. S. Devroe	do	do	Salary and expenses, Oct.	270.00	14.93			
13	L. T. Bell	do	do	do	216.00	45.09		2.13	
13	Thos. G. Willson	Appraiser	do	do	101.10	67.81		4.44	
13	E. Hyatt	Deputy	do	Salary and expenses, Oct., 30 days	81.52	26.12			
13	E. D. Vaughn	do	do	Salary and expenses, Oct.	84.20	19.12			
13	Jas. Wall	do	do	do	84.20	19.12			
13	J. Connors	do	do	do	84.20	4.92			
13	J. F. O'Brien	do	do	Salary for Oct.	84.20				
13	Jas. Thompson	do	do	do	84.20				
13	R. H. Palmer	do	do	do	84.20				
13	Wm. J. Hines	do	do	do	84.20				
13	Benj. Hants	do	do	Salary and expenses, Oct., 14 days	38.04	13.54			
13	Jos. Acton	do	do	Salary for Oct., 14 days	38.04				
13	W. J. Holday	do	do	Salary expenses Oct., 28 days	76.09	27.09			
13	Jas. McCarthy	do	do	Salary and expenses, Oct.	84.20	45.09			
13	T. J. Kellum	do	do	do	84.20	30.00			
13	T. J. Blair	New York	do	do	84.20	30.09			
13	Canda & Kane	do	do	Office ease				24.00	
13	Bogardus, Ellaby & Ellsworth	do	do	Licse.				133.25	
13	John J. Devine	Kings County	do	Hog rings, etc				22.50	
10	do	do	do	14 animals				215.00	
10	do	do	do	do					250.00
12	John Duffy	do	do	do				65.00	
12	D. E. Salmon	do	do	Shepard's services					
16	H. Ehrenspeck	do	do	Expenses, Aug. 30 to Sept. 7 & Sept. 19 to 35	67.93	54.10			
16	Mason, Chapin & Co.	Deputy	do	Salary for Oct., 25 days				121.45	
16	The Gutta Percha and Rubber	New York	do	Bleaching powder				53.63	
16	Manufacturing Company	do	do	Sandries					
16	Metropol'n Telph. & Teleg. Co	do	do	Exchange rental and toll service				13.98	
16	Gleason & Bailey Mfg. Co	do	do	Rubber packing				2.00	
19	R. A. McLean	do	do	Salary and expenses, Sept.	200.00	116.97			
19	Roscoe R. Bell	do	do	Salary for Oct. 24 to 31	34.78				
19	Martin B. Brown	New York	do	Stationery				137.20	
22	Thos. McGee <i>et al.</i>	Kings County	do	56 animals				1,737.16	
22	do	do	do	75 animals					1,706.00
22	W. H. Combes <i>et al.</i>	Queens County	do	29 animals				901.70	
22	do	do	do	39 animals					810.00



*Expended from the appropriation for 1888 '89, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Nov. 23	Philip Mehl <i>et al.</i>	Kings County	26 animals				\$607.93	
23	do	do	39 animals					\$978.00
23	E. F. Brush	Westchester County	1 animal					30.00
23	August Klages <i>et al.</i>	New York County	2 animals					
23	August Klages	do	1 animal				37.40	
23	E. L. Wicks	do	7 animals				182.00	
23	do	Suffolk County	1 animal					25.00
24	Rudolph Ramow	do	1 animal					36.00
24	James Hyatt	Deputy	Salary and expenses, Nov. 1 to 17	\$46.20	\$7.17			
24	Horatio Young	do	Salary and expenses, Nov. 1 to 15	40.76	14.12			
24	T. J. Talbot	do	do	40.76	5.02			
24	do	do	Salary and expenses, Nov. 1 to 17	46.23	17.60			
24	Ang. Mott	do	do	46.20	17.00			
24	Fred. Drews	do	Salary and expenses, Nov. 1 to 15	40.76	15.00			
24	Thos. L. Mottram	do	do	49.76	15.00			
24	T. Wright	do	do	40.76	15.00			
24	C. Hendrickson	do	Salary for Nov. 1 to 17	46.20				
24	N. Conzet	do	do	46.20				
24	Jas. Thompson	do	Salary for Nov. 1 to 15	40.76				
24	John Allen	do	do	40.76				
24	John G. Lane	do	do	40.76				
24	R. H. Palmer	do	do	40.76				
24	Wm. Hogan	do	do	40.76				
24	Wm. Sheehan	do	do	40.76				
24	E. P. Golden	do	do	40.76				
24	E. Bryant	do	do	40.76				
24	Elias Sloat	do	do	40.76				
26	W. P. Wallace	do	Salary for Nov. 11 days	29.89				
26	C. A. Gleason	do	Salary and expenses, Nov. 1 to 15	40.76	15.00			
26	Jos. Acton	do	Salary and expenses, Nov. 14 days	38.04	14.00			
26	John H. Hilliker	do	3 animals				51.00	
26	W. S. Devoe	Queens County	Sundries			\$30.01		
27	E. D. Vaughn	Deputy	Salary and expenses, Nov. 1 to 15	46.76	7.42			
27	Jas. McCarthy	do	do	40.76	15.00			
28	J. C. Jackson	do	Salary and expenses, Oct.	134.80	57.00			
28	W. S. Devoe	do	Disinfecting corps and miscellaneous expenses.		64.05	2.80		
33	do	do	do		33.92			
			Total for month	19,230.38	1,722.05	632.11	7,247.09	7,301.80
			Grand total	44,356.74	7,103.54	3,365.59	17,275.74	27,055.04

## PENNSYLVANIA.

1888. July 16	John I. McKinley	Philadelphia County	1 animal					3.00	
16	Patrick O'Donnell	do	do					15.00	
			Total for month	\$18.00				18.00	
Aug. 4	Harvey Ostrander <i>et al.</i>	Disinfectors	Salaries, July						
4	Daniel G. Hatch	Clerk	Salary for July		322.07				
6	John A. Mutter	Philadelphia County	1 animal		117.90				
9	John B. Herron	Deputy	Salary for July		84.20				13.00
9	W. A. Willard	Clerk	do		117.90				
9	Wm. S. Devoe		Salary and expenses, July 1 to 19 and 22 to 31		184.00		\$0.72	\$2.72	
9	W. H. Rose		Salary and expenses, July		200.00		5.57		
9	J. J. Owens	Deputy	do		84.20		3.93		
9	C. Moffatt	Clerk	Salary for July		45.50				
9	W. A. Swayne	Philadelphia	Office rent					50.00	
9	Hollingsworth & Peterson	do	Chloride of lime					25.29	
9	The Bell Telephone Co	do	Exchange rental, July to Sept.		134.80		37.87		
10	Chas. E. Bridge	do	Salary and expenses, July		134.80		30.43		
10	R. W. Hickman	do	do		134.80		28.47		
10	R. G. Webster	do	do		84.20		9.63		
10	A. J. Fricka	Deputy	do		70.65		4.77		
10	J. J. Matthews	do	Salary and expenses, July 6 to 31		70.65		4.57		
10	Chas. A. Kelly	do	do		84.20		7.20		
10	T. A. Maher	do	Salary and expenses, July		84.20		10.52		
10	W. H. Janney	do	do		84.20		9.93		
10	J. R. Tatem	do	do		84.20		6.34		
10	Wm. T. Fallon	do	do		84.20		6.15		
10	C. L. Hartman	do	do		84.20		5.95		
10	J. J. Eberhardt	do	do		84.20		6.30		
10	Isaac Brown	do	do		84.20		5.77		
10	J. M. Monks	do	Salary and expenses, July 6 to 31		70.65		10.85		
10	T. F. O'Brien	do	Salary and expenses, July		84.20		4.67		
10	Geo. Carter	do	do		84.20		5.77		
10	Jas. McDermott	do	Salary and expenses, July 6 to 31		70.65		6.75		
14	A. O. Drane	do	Salary and expenses, July		84.20		4.74		
14	J. J. Treston	do	do		84.20		4.17		
14	M. J. Barry	do	Salary and expenses, July 6 to 31		70.65		6.78		
16	Henry Morse	do	Salary and expenses, July		84.20		3.29		
16	J. B. Shannon & Sons	Philadelphia	Sundries		84.20		11.10		
16	E. Sarman	Deputy	do		113.04		10.27		
16	Jas. McCarron	do	Salary and expenses, July		134.80		37.50		
16	W. B. Montgomery	do	Salary and expenses, July 6 to 31						
16	Jas. T. Ross	do	Salary and expenses, July						
16	Wm. M. Buckman	Philadelphia	Lime					30.00	
18	Eugene Martin	do	Salary and expenses, July 6 to 31		113.04		33.37		
18	Bogardus, Ellaby & Ellsworth	New York	Sundries					17.75	

*Expended from the appropriation for 1888-'89, by States—Continued.*  
 PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Aug. 18	F. L. Hoover	Philadelphia	Box			\$6.22		
Aug. 18	Gleson & Bailey Mfg. Co.	New York	Rubber packing			4.24		
20	J. J. King	Deputy	Salary and expenses, July	\$84.20	\$11.55			
20	Francis Bridge		Salary and expenses, July, 26 days	8.00	.55			
20	H. Ostrander	Disinfectors	Salary for July 2 to 6	13.59				
18	Daniel Scull	Deputy	Salary and expenses, July	84.20	11.62			
20	Joseph H. Mann	Philadelphia	Stationery			70.38		
22	George W. Been	Deputy	Salary and expenses, July 6 to 31	70.65	9.59			
			Total for month	3,797.94	256.69	255.44	\$13.00	
Sept. 4	W. A. Swayne	Philadelphia	Office rent	52.41		50.00		
4	C. Moffatt	Clerk	Salary for Aug	117.90				
4	W. A. Willard	do	do	117.90				
4	D. G. Hatch	do	do					
4	J. B. Herron	Deputy	do	84.20				
6	Charles E. Bridge		Salary and expenses, Aug	134.80	40.50			
6	George Carter	Deputy	do	84.20	4.87			
6	Josiah White	Delaware County	2 animals			25.09		
6	H. Ostrander et al.	Disinfectors	Salaries, August	541.20				
7	W. B. Montgomery		Salary and expenses, Aug	134.80	15.42			
7	Isaac Brown	Deputy	do	84.20	11.17			
7	C. L. Hartman	do	do		8.15			
7	James McDermott	do	do	84.20	9.68			
7	J. J. Eberhardt	do	do	84.20	6.47			
7	A. O. Drane	do	do	84.20	13.37			
7	J. J. Treston	do	do		7.23			
7	Edgar Marlin	do	do	134.80	40.50			
7	Joseph R. Tatem	Deputy	do	84.20	13.37			
11	W. H. Rose	do	do	224.00	4.91			
11	James T. Ross	do	do	134.80	40.50			
11	R. W. Hickman	do	do	134.80	32.69			
11	James McCarron	Deputy	do	84.20	13.87			
11	J. J. King	do	do	84.20	13.87			
11	George W. Been	do	do	84.20	12.18			
11	A. J. Fricka	do	do	84.20	11.98			
11	Daniel Scull	do	do	84.20	11.57			
11	Henry Morse	do	do	84.20	10.65			
11	T. F. O'Brien	do	do	84.20	10.65			
11	M. J. Barry	do	do	84.20	8.47			
11	W. H. Janney	do	do	84.20	8.12			



11	Charles A. Kelly	do	do	do	84.20	7.23				
11	J. M. Monks	do	do	do	84.20	6.91				
11	William T. Fallon	do	do	do	84.20	6.67				
11	T. A. Maher	do	do	do	84.20	6.15				
11	J. J. Matthews	do	do	do	84.20	6.14				
11	J. J. Owens	do	do	do	84.20	5.30				
11	E. Santman	do	do	do	84.20	3.07				
12	Isaac L. Lyster	Delaware County	do	28 animals						\$845.00
12	do	do	do	1 animal						
13	W. S. Devoo	do	do	Salary and expenses, Aug	200.00	21.65	4.51	15.00		
19	R. G. Webster	do	do	Salary and expenses, Aug, 7 to 31	134.80	20.37				
22	A. C. Young	Philadelphia	do	Chloride of lime	108.71	91.79	1.35			
22	Hollingsworth & Peterson	New York	do	Hog rings			19.27			
22	Bogardus, Ellaby & Ellsworth	Philadelphia	do	Chloride of lime			7.50			
22	Hollingsworth & Peterson	do	do	Stationery			27.74			
22	Joseph H. Mann	Philadelphia County	do	2 animals			23.85			76.00
22	John M. Carthy	do	do	1 animal						
22	do	do	do	Total for month	4,275.92	525.47	134.22	53.00		921.00
Oct.	Francis Bridge	Philadelphia	do	Salary and expenses, Aug., 10 days	80.00	15.25	38.70			
1	William M. Buckman	New York	do	do			4.00			
1	Gleason and Bailey Manufacturing Company	do	do	Air chamber						
3	J. J. Treston	Deputy	do	Salary and expenses, Sept	81.60	7.77				
3	Charles A. Kelly	do	do	do	81.60	7.77				
3	J. J. Owens	do	do	do	56.30	5.92				
3	C. Moffatt	Clerk	do	Salary for Sept	114.20					
3	W. A. Willard	do	do	do	114.20					
3	D. G. Hatch	do	do	do	81.60					
3	J. B. Herron	Deputy	do	Salary and expenses, Sept	192.00	5.16				
6	W. H. Rose	do	do	do	130.40	37.87				
6	W. B. Montgomery	do	do	do	130.40	37.87				
6	Edgar Marlin	do	do	do	130.40	37.50				
6	James T. Ross	do	do	do	130.40	24.86				
6	R. W. Hickman	do	do	Salaries, Sept	506.60					
6	H. Ostrander et al	Disinfectors	do	Salary and expenses, Sept	81.60	6.57				
6	W. H. Janney	Deputy	do	do	81.60	5.87				
6	W. T. Fallon	do	do	do	81.60	5.87				
6	J. J. Eberhardt	do	do	do	81.60	5.87				
6	J. J. Matthews	do	do	Salary and expenses, Sept., 29 days	78.80	7.57				
6	M. J. Barry	do	do	Salary and expenses, Sept.	81.60	4.57				
8	Geo. Carter	do	do	do	81.60	2.87				
8	E. Santman	do	do	Office rent, Sept.			50.00			
8	W. A. Swan ne	Philadelphia	do	Salary and expenses, Sept.	163.00	12.47	5.65			
8	A. C. Young	Deputy	do	do	81.60	15.05				
8	J. J. King	do	do	do	81.60	15.05				
8	Jas. McCarron	do	do	do	81.60	13.89				
8	A. O. Drane	do	do	do	81.60	13.89				
8	J. R. Tavern	do	do	do	81.60	12.87				
8	Daniel Scull	do	do	do	81.60					

Expended from the appropriation for 1888-'89, by States—Continued.

PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Oct. 8	G. W. Been.	Deputy	Salary and expenses, Sept.	\$81.60	\$12.83			
8	A. J. Fricke	do	do	81.60	12.83			
8	Jas. McDermott	do	do	81.60	11.96			
8	J. M. Monks	do	do	81.60	11.37			
8	Thos. F. O'Brien	do	do	81.60	9.62			
8	Henry Morse	do	do	81.60	9.62			
8	Isaac Brown	do	do	81.60	7.54			
8	C. L. Hartman	do	do	81.60	7.45			
8	Wm. A. Johnson	Delaware County	6 animals	81.60			\$131.00	\$268.00
10	do	do	13 animals					
12	Chas. E. Bridge	do	Salary and expenses, Sept.	130.40	37.87			
12	T. A. Maher	Deputy	do	81.60	11.37	\$30.00		
12	The Bell Telephone Company of Philadelphia.		Exchange rental, Oct. to Dec					
12	Hoole Manufacturing Co	New York	Tags			87.50		
12	Jos. H. Mann	Philadelphia	Stationery			25.72		
12	Wm. K. Buckman	do	Lime			24.90		
12	Bogardus, Ellaby & Ellsworth.	New York	Hog-rings			9.50		
12	D. W. Shannon	Philadelphia	Nippers, etc.			5.00		
12	Hollingsworth & Peterson	do	Chloride of lime			29.06		
17	F. L. Hoover	do	Office fixtures			5.19		
23	Gleason & Bailey Mfg. Co	New York	Piston-rod, etc.			6.00		
24	Merritt P. Hutton	Philadelphia County	2 animals				16.00	197.00
25	do	do	10 animals					
25	H. Baumgarten	Washington	Tags	128.00	40.41	51.00		
30	Francis Bridge		Salary and expenses, Sept., 16 days.					
			Total for month	4,043.50	474.88	372.22	147.00	465.00
			Salary for Oct					
Nov 3	C. Moffatt	Clerk	do	58.10				
3	J. B. Herron	do	do	84.20				
3	G. Hatch.	do	do	117.90				
3	W. A. Willard	do	do	117.90				
6	A. C. Young	do	Salary and expenses, Oct	168.50	35.08	1.30		
6	W. B. Montgomery	do	do	134.80	40.87			
6	Edgar Martin	do	do	134.80	40.87			
6	R. W. Hickman	do	do	134.80	38.52			
6	Jas. McCarron	do	do	84.20	14.97			
6	Geo. W. Been	Deputy	do	84.20	14.17			
6	T. F. O'Brien	do	do	84.20	12.50			
6	Jas. McDermott	do	do	84.20	11.62			

6	C. L. Hartman	do	84.20	5.77	
6	J. J. Eberhardt	do	84.20	5.77	
6	Wm. T. Fallon	do	84.20	5.77	
6	A. O. Drane	do	84.20	5.77	
7	W. H. Rose	Salary and expenses, Oct., 23 days	216.00	9.32	
7	Chas. F. Bridge	Salary and expenses, Oct.	134.80	4.37	
7	Daniel Soull	do	84.20	40.87	
7	J. J. King	do	84.20	13.81	
7	Henry Morse	do	84.20	13.31	
7	Jos. M. Monks	do	84.20	12.50	
7	J. J. Matthews	do	84.20	12.00	
7	T. A. Maher	do	84.20	10.79	
7	E. Santman	do	84.20	10.07	
7	Chas. A. Kelly	do	84.20	9.37	
7	M. J. Barry	do	84.20	9.29	
7	W. H. Janney	do	84.20	8.10	
7	Isaac Brown	do	84.20	7.32	
7	J. J. Owens	do	84.20	6.97	
7	Geo. Carter	do	84.20	5.88	
10	John A. Hoffman	do	84.20	4.87	
10	John K. Valentine	1 animal			20.00
13	Jas. T. Ross	Philadelphia County			35.00
13	Harvey Ostrander	do	134.80	40.50	
13	J. J. Treston	do	84.20	4.17	
13	J. R. Tatem	do	84.20	9.29	
13	M. Kelly <i>et al</i>	Salary and expenses, Oct., 25 days	67.93	10.72	
13	W. A. Swayne	Salaries, Oct	67.93	10.72	
13	Jos. H. Mann	Office rent, Oct.	15.00		
13	John A. Hoffman	Stationery		50.00	
13	Hoole Manufacturing Co.	Burying carcass		9.80	
13	D. E. Salmon	Tags		2.00	
16	Bogardus, Ellaby & Ellsworth	Hog-rings		105.00	
16	A. J. Frick	Expenses, Aug. 15		7.50	
16	Wm. M. Buckman	Salary and expenses, Oct., 6 days	48.00	8.10	
21	Wm. S. Laurence	Salary and expenses, Oct. 1 to 13	35.33	19.61	
21	Harrison Hipple	Lime		5.77	
26	Edgar Marlin	1 animal		1.25	
26	W. B. Montgomery	do			
26	Jas. T. Ross	Salary and expenses, Nov. 1 to 15	65.22	19.87	
26	J. J. Matthews	do	65.22	19.87	
26	J. M. Monks	Salary and expenses, Nov. 1 to 12	52.17	15.00	
26	J. R. Tatem	Salary and expenses, Nov. 1 to 15	40.76	8.25	
26	Daniel Soull	do	40.76	8.25	
26	Geo. W. Been	do	40.76	7.21	
26	E. Santman	do	40.76	6.53	
26	Jas. McDermott	do	40.76	6.37	
26	T. A. Maher	do	40.76	6.37	
26	A. O. Drane	do	40.76	4.37	
26	J. J. Treston	Salary and expenses, Nov., 13 days	35.33	5.18	
26		do	35.33	4.07	



*Expended from the appropriation for 1888-'89, by States—Continued.*

PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Nov. 26	Chas. A. Kelly	Deputy	Salary and expenses, Nov., 13 days	\$35.33	\$4.07			
26	M. J. Barry	do	Salary and expenses, Nov. 1 to 12	32.61	4.37			
			Total for month	4,165.05	629.22	\$176.85		\$103.00
			Grand total	16,282.41	1,986.26	938.73	\$231.00	1,489.00

NEW JERSEY.

1888								
July 25	B. J. Misser	Hudson County	1 animal				25.00	
25	Jas. Baxter	do	do				25.00	
25	Mary Sexton	do	7 animals				15.00	
25	Jas. Gillespie	do	5 animals				115.00	203.00
25	do	do						
			Total for month	\$383.00			180.00	203.00
Aug. 3	Chas. McAnally <i>et al.</i>	Disinfectors	Salaries, July	1,144.75				
7	H. D. Gill	do	Salary and expenses, July	134.80	62.75			
7	W. W. Curry	do	do	117.90	45.00			
7	G. W. Garretson	Deputy	do	84.20	49.65			
7	Julius Huelsen	do	do	117.90	8.35			
7	Simon Kelly	Deputy	do	84.20	23.00			
7	R. R. Letts	do	do	84.20	12.21			
7	Garret Haley	do	do	84.20	7.60			
7	G. Settle	do	do	84.20	6.80			
7	J. J. Clarke	do	Salary and expenses, July 16 to 31	43.48	4.40			
7	E. A. Vreeland	do	Salary and expenses, July	117.90	45.00			
7	John Roberts	Deputy	do	84.20	53.15			
7	C. Teehan	do	do	84.20	22.03			
7	Thos. Lenihan	do	do	84.20	6.95			
7	B. D. Phillips	Clerk	Salary for July	84.20				
7	Seneca Barker	do	do	70.80				
7	C. D. Noonan	do	do	70.80				
7	Gustav Hauser	Deputy	Salary and expenses, July 16 to 31	43.48	4.05			
7	T. J. Carlin	do	Salary and expenses, July	84.20	7.30			
7	A. C. Young	do	do	134.80	53.11			

7	J. S. Miller.....	Deputy	do	84.20	7.60	.....	.....
7	E. F. Gorman.....	do	do	84.20	53.05	.....	.....
8	B. J. Misser <i>et al.</i> .....	Hudson County	13 animals	.....	.....	300.00	881.00
8	do	do	37 animals	.....	.....	.....	.....
9	Wm. H. Mook.....	do	Salary and expenses, July	.....	.....	.....	.....
9	Andrew Garling.....	Deputy	do	134.80	45.00	.....	.....
9	A. M. Katzenstroth.....	do	do	84.20	19.90	.....	.....
9	Peter Girth.....	do	do	84.20	14.75	.....	.....
9	Robert Quinnan.....	do	do	84.20	14.75	.....	.....
9	Maurice Walsh.....	do	do	84.20	14.00	.....	.....
9	J. Mulqueeny.....	do	do	84.20	12.40	.....	.....
10	H. W. Rowland.....	do	do	84.20	7.35	.....	.....
10	E. L. Loblain.....	do	do	117.90	45.00	.....	.....
16	P. M. Hall.....	do	Salary and expenses, July, 10 days	50.00	20.85	.....	.....
18	W. Dimond.....	Jersey City	Office furniture.	.....	33.90	.....	.....
18	J. R. Chaturin.....	do	Salary and expenses, July	168.50	122.05	.....	.....
18	C. A. Woolsey.....	Appraiser	Salary and expenses, July 16 to 31.	60.87	36.35	.....	.....
20	H. Gutthberg & Son.....	Jersey City	Sundries	.....	7.96	.....	.....
20	Wing & Evans.....	do	Tags	.....	75.00	.....	.....
20	F. H. Spengeman.....	New York	Bleaching powder	.....	57.35	.....	.....
20	Albert Datz.....	Jersey City	Office rent	.....	40.00	.....	.....
20	Thos. T. Reid.....	do	Book, etc	.....	14.50	.....	.....
20	Gleason & Bailey Mfg Co.....	New York	Boxes	.....	13.00	.....	.....
20	Bogartus, Ellaby & Ellsworth.....	do	Sundries	.....	6.95	.....	.....
20	J. A. Lawson.....	do	Nippers	.....	10.50	.....	.....
20	D. Van Vorst.....	Jersey City	Sundries	.....	5.40	.....	.....
20	do	Hudson County	18 animals	.....	.....	.....	449.00
20	Lena Sherrer.....	do	9 animals	.....	.....	176.00	.....
20	Lena Sherrer <i>et al.</i> .....	do	2 animals	.....	.....	50.00	.....
20	G. Hendrickson <i>et al.</i> .....	do	do	.....	.....	220.00	.....
20	do	Monmouth County	11 animals	.....	.....	.....	360.00
21	Hoole Mfg. Co.....	do	17 animals	.....	.....	.....	.....
23	Washington Bros.....	New York	Tags	.....	80.00	.....	.....
27	Ellison Preston.....	Jersey City	Lime	.....	48.75	.....	.....
27	do	Monmouth County	1 animal	.....	.....	.....	15.00
27	Jacob Ehler <i>et al.</i> .....	do	do	.....	.....	20.00	.....
27	do	Hudson County	11 animals	.....	.....	283.00	.....
27	do	do	26 animals	.....	.....	.....	639.00
Total for month				4,044.28	830.40	401.31	2,394.00
6	Chas. Coytes <i>et al.</i> .....	Bergen County	14 animals	.....	.....	315.00	.....
6	do	do	39 animals	.....	.....	.....	897.00
6	D. Katz.....	Hudson County	19 animals	.....	.....	.....	467.00
6	do	do	4 animals	.....	.....	75.00	.....
8	Chas. McAnally <i>et al.</i> .....	Disinfectors	Salaries, Aug	1,558.25	.....	.....	.....
8	H. D. Gill.....	do	Salary and expenses, Aug	134.80	64.75	.....	.....
8	E. A. Vreeland.....	do	do	117.90	75.01	.....	.....
8	W. H. Mook.....	do	do	134.80	45.00	.....	.....
8	W. W. Curry.....	do	do	117.90	45.00	.....	.....
8	H. W. Rowland.....	do	do	117.90	45.00	.....	.....
8	John Roberts.....	Deputy	do	84.20	61.30	.....	.....
8	E. F. Gorman.....	do	do	84.20	57.60	.....	.....

Sept.

Expended from the appropriation for 1888-'89, by States—Continued.

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Sept.	G. W. Garrison.....	Deputy	Salary and expenses, Aug.....	\$34.20	\$51.80			
8	Julius Nielsen.....		do.....	117.90	8.75			
8	E. L. Loblen.....		Salary and expenses, Aug., 17 days.....	85.00	34.81			
8	C. Teahan.....	Deputy	Salary and expenses, Aug.....	84.20	28.20			
8	Andrew Garling.....	do	do.....	84.20	22.85			
8	Robt. Qumlan.....	do	do.....	84.20	22.60			
8	Peter Girth.....	do	do.....	84.20	20.75			
8	A. Kattenstroth.....	do	do.....	84.20	20.75			
8	Simon Kelly.....	do	do.....	84.20	18.90			
8	R. R. Letts.....	do	do.....	84.20	12.67			
8	Thos. Lenihan.....	do	do.....	84.20	9.90			
8	J. S. Miller.....	do	do.....	84.20	8.45			
8	Garret Haley.....	do	do.....	84.20	8.40			
8	G. Seide.....	do	do.....	84.20	8.30			
8	P. J. Carlin.....	do	do.....	84.20	8.05			
8	J. J. Clarke.....	do	do.....	84.20	7.90			
8	Maurice Walsh.....	do	do.....	84.20	7.40			
8	J. Mulqueeny.....	do	do.....	84.20	8.15			
8	Gustav Hauser.....	do	do.....	84.20	7.20			
8	B. D. Phillips.....	Clerk	Salary for Aug.....	84.20				
8	C. D. Noonan.....	do	do.....	70.80				
8	Seneca Barker.....	do	do.....	70.80				
12	Mary Hanan.....	Hudson County	5 animals.....				\$112.00	\$138.00
12	Mary Hanan <i>et al.</i> .....	do	do.....					
19	J. R. Chattin.....	Appraiser	Salary and expenses, Aug.....	117.90	37.10	\$3.50		
19	W. H. Cooper.....	do	Salary and expenses, Aug., 19 days.....	95.00	52.94			
22	W. Dimond.....	do	Salary and expenses, Aug.....	168.50	107.60	2.75		
22	F. H. Spengeman.....	Jersey City	Office rent, Aug.....			50.00		
22	The Hudson County Dispatch.	do	Printing.....					
22	Bogardus, Ellaby & Ellsworth	New York	Hog rings.....			9.00		
22	Peter Taylor.....	Jersey City	Janitor's services.....			5.00		
22	A. C. Young.....	do	Salary and expenses, Aug. 1 to 6.....	26.09	8.71			
22	Peter Giesser.....	Hudson County	12 animals.....					329.00
22	do.....	do	4 animals.....				95.00	
			Total for month.....	4,617.54	915.84	79.25	597.00	1,831.00
			Salary and expenses, Aug.....	117.90	9.15			
Oct.	M. J. Coyle.....	Appraiser	Lime.....			62.50		
1	Jas. P. Hall.....	Jersey City	Sundries.....			3.25		
1	Gleason & Bailey Mfg. Co.	New York	Disinfectors' expenses, Aug.....		110.20			
2	Wm. Dimond.....							



	Disinfectors	Salaries, Sept	1,374.50
5 Chas. McAnally <i>et al.</i>		Salary and expenses, Sept.	47.75
9 H. D. Gill		do	130.40
9 E. A. Vreeland		do	63.15
9 Wm. H. Mook		do	130.40
9 H. W. Rowland		do	45.00
9 J. R. Chatrin	Appraiser	do	114.20
9 E. F. Gorman	Deputy	do	114.20
9 John Roberts	do	do	81.60
9 G. W. Garretson	do	do	52.90
9 Julius Hudson	do	do	81.60
9 M. J. Coyle	do	do	46.50
9 E. L. Loblen	Appraiser	do	114.20
9 A. M. Kattenstroth	Deputy	Salary and expenses, Sept., 16 days	7.20
9 Andrew Garling	do	Salary and expenses, Sept	80.00
9 Robt. Quinlan	do	do	32.85
9 Simon Kelly	do	do	28.85
9 C. Teehan	do	do	81.60
9 R. R. Lettis	do	do	24.90
9 Thos. Leulman	do	do	81.60
9 Maurice Walsh	do	do	21.90
9 J. J. Clarke	do	do	81.60
9 J. Mulqueny	do	do	20.85
9 Garret Haley	do	do	81.60
9 G. Seide	do	do	20.70
9 Jas. S. Miller	do	do	11.75
9 Gustav Hauser	do	do	81.60
9 W. W. Curry	do	do	10.55
10 Wm. Dimond	Jersey City	Disinfectors' expenses, Sept	81.60
10 Peter Taylor	Deputy	Janitor's services, Sept	7.55
12 W. H. Cooper	do	Salary and expenses, Sept., 24 days	81.60
12 Peter Girth	Jersey City	Salary and expenses, Sept	77.00
12 E. Gotthberg & Son	do	Tags	5.60
12 Wing & Evans	Jersey City	Bleaching-powder	75.00
12 Jas. P. Hall	do	Lime	56.16
13 N. Y. & N. J. Telephone Co.	do	Exchange rental, Aug. 21 to Oct. 18	62.50
17 P. J. Carlin	Deputy	Salary and expenses, Sept	22.50
17 J. A. Lawson	Jersey City	Sundries	7.25
20 J. Gorth, Jr.	do	Salary and expenses, Sept. 17 to 30	6.20
23 Gleason & Bailey Mfg. Co	New York	Air-chamber, etc	19.25
23 W. Dimond	do	Salary and expenses, Sept	8.00
24 Chas. Paul <i>et al.</i>	Hudson County	35 animals	1.75
24 do	do	68 animals	72.85
24 F. H. Spengemann	Jersey City	Office rent	163.00
25 B. D. Phillips	Clerk	Salary for Sept.	751.50
5 C. D. Noonan	do	do	50.00
5 Seneca Barker	do	do	81.60
		do	68.40
		Total for month	4,638.03
			933.10
			354.86
			751.50
			5.00
			70.80
			70.89
Nov. 3 Peter Taylor	Jersey City	Janitor's services	
3 C. D. Noonan	Clerk	Salary for Oct	
3 Seneca Barker	do	do	

Nov.

*Expended from the appropriation for 1888-'89, by States—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Nov. 3	B. D. Phillips	Clerk	Salary for Oct.	\$84.20				
7	W. W. Curry		Salary and expenses, Oct.	117.90	\$45.00			
7	E. A. Vreeland		do	117.90	45.00			
8	E. L. Loblein		Salary and expenses, Oct., 17 days	85.00	35.19			
8	Wm. Dimond		Expenses disinfecting corps, Oct.		21.40			
10	R. L. Armstrong	Middlesex County	1 animal					\$20.00
10	H. Lowenthal	Bergen County	27 animals					567.00
10	do	do	8 animals				\$175.00	
10	Jos. Lebermann <i>et al.</i>	Hudson County	18 animals				415.00	
10	do	do	57 animals					
10	Chas. McAnally <i>et al.</i>	Disinfectors	Salaries, Oct.	1,785.25				
13	Wm. Dimond		Salary and expenses, Oct.	168.50	116.90	\$1.75		
13	J. Gerth, jr.		do	151.60	60.45			
13	H. D. Gill		do	134.80	52.75	.20		
13	W. H. Mook		do	134.80	47.70			
13	H. W. Rowland		do	117.90	45.00			
13	J. R. Chatin	Appraiser	do	117.90	39.75	2.75		
13	E. F. Gorman	Deputy	do	84.20	59.05			
13	John Roberts	do	do	84.20	55.95			
13	G. W. Garrison	do	do	84.20	46.95			
13	Julius Huelson	do	do	117.90	9.45			
13	M. J. Coyle	Appraiser	do	117.90	8.45			
13	Simon Kelly	Deputy	do	84.20	29.50			
13	C. Teehan	do	do	84.20	29.35			
13	Andrew Garling	do	do	84.20	27.60			
13	Robt. Quinlan	do	do	84.20	24.60			
13	R. R. Lettis	do	do	84.20	12.67			
13	Thos. Lenihan	do	do	84.20	8.60			
13	Maurice Walsh	do	do	84.20	8.60			
13	P. J. Carlin	do	do	84.20	8.40			
13	J. Mulqueeney	do	do	84.20	8.35			
13	Garret Haley	do	do	84.20	8.35			
13	P. Girth	do	do	84.20	8.35			
13	J. J. Clarke	do	do	84.20	8.35			
13	J. S. Miller	do	do	84.20	7.80			
13	G. Seidle	do	do	84.20	7.80			
13	G. Hauser	do	do	84.20	5.35			
13	F. H. Spengeman	Jersey City	Office rent, Oct			50.00		
13	J. A. Lawson	do	Sundries			13.76		
13	Henry Smith	do	Burying carcasses			5.00		
16	W. H. Cooper	Monmouth County	Salary and expenses, Oct., 26 days	130.00	98.45			

16	Jas. P. Hall	Jersey City	Lime	62.50		
16	Sunderland, Innes & Co.	New York	Bleaching powder	28.80		
16	A. S. Barnes & Co.	do	Stationery	1.10		
16	do	do	do	2.02		
16	do	do	do	12.56		
19	M. G. Mattison	Jersey City	Salary and expenses, Oct., 9 days	16.75		
19	N. Y. and N. J. Telph. Co.	do	Exchange rental and toll service			
21	L. Heilbrum <i>et al.</i>	Hudson County	23 animals			1,370.00
21	do	do	61 animals			90.00
21	Henry Smith	Monmouth County	2 animals			
21	do	do	1 animal			
21	Walter L. Stoy	Camden County	Printing			25.00
22	The Hudson County Dispatch	Jersey City	8 animals	6.25		
23	D. M. Sullivan	Hudson County	3 animals			225.00
23	do	do	6 animals			60.00
24	Nicholas Pfenning	do	Salary and expenses, Nov. 1 to 17	4.05		155.00
30	J. Mulqueeny	Deputy	do	46.20		
30	P. J. Carlin	do	do	4.80		
30	J. S. Miller	do	do	46.20		4.15
30	M. Walsh	do	do	46.20		4.15
30			Total for month	1,024.81	211.49	3,933.00
			Grand total	3,754.15	1,046.91	10,076.50

## MARYLAND.

1888.						
July	H. W. Hanna	Clerk	Salary for July 1 to 7	19.02		
9	J. T. Parsons	Deputy	Salary and expenses, July 1 to 8	21.74		
13	Wm. Langemann	Baltimore County	53 animals	1.50		
20	Wm. Langemann <i>et al.</i>	do	29 animals			792.28
20	Andrew L. Anderson	Harford County	5 animals			215.00
23	do	do	3 animals			
23	John Martin <i>et al.</i>	Baltimore County	6 animals			85.00
23	do	do	10 animals			153.00
25	Sam'l H. Hare <i>et al.</i>	do	8 animals			
25	do	do	15 animals			328.14
25	Joshua Arnold	Frederick County	1 animal			274.74
			Total for month	40.76		20.00
			Salaries, July	1.50		1,630.16
Aug.	D. Holland <i>et al.</i>	Disinfectors	Salary and expenses, July	229.70		
2	F. W. Patterson	do	do	117.90		
4	J. A. Walrath	do	do	106.84		
4	W. H. Martenet	do	do	151.60		73.45
4	E. C. Schroeder	do	do	134.80		50.50
4	H. C. Rohr	do	do	84.20		76.90
4	J. F. Davis	Deputy	do	84.20		67.50
4	do	do	do	84.20		33.00



*Expended from the appropriation for 1888-'89, by States—Continued.*

MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Aug.	J. B. Trull	Clerk.	Salary for July 1 to 9 and 11 to 13.	\$39.13				
4	Fred. Faville	do	Salary for July	84.20				
4	G. G. Latchford	Deputy	do	84.20				
4	J. B. Hampsher	do	do	84.20				
4	L. G. Humble	do	do	84.20				
4	T. A. Poulton	do	Salary for July	84.20				
4	David Riley	do	do	84.20				
4	William Wade	do	do	84.20				
4	T. Alex. Seth	do	do	84.20				
4	Jas. Boyd	do	do	84.20				
4	Wm. Hardey	do	do	84.20				
4	C. C. Prather	do	do	84.20				
4	Isaac L. Ball	do	Salary for July 7 to 31	67.93		\$50.00		
4	Wm. K. Boyle & Son	Baltimore.	Permit and tag books					
4	V. F. Collier	Deputy	Salary for July 24 to 31	21.74		15.00		
4	A. L. Anderson	Harford County	Burying catcases	168.50	\$88.10			
4	A. D. Melvin	do	Salary and expenses, July	134.80	78.28			
6	Albert Hassell	do	do	134.80	76.30			
6	Jas. F. Ryder	do	do	184.00				
6	W. H. Wray	do	Salary for July	84.20	35.30			
6	L. A. McDaniel	Deputy	Salary and expenses, July	168.50	76.05			
6	A. W. Clement	do	do	134.80	75.50			
6	C. K. Dyer	do	do	101.10	75.50			
6	D. R. Hoffman	Deputy	do	84.20	32.06			
6	T. B. Gatch	do	do	84.20	31.93			
6	Thos. A. Hays	do	do	84.20	11.30			
6	C. R. Perdue	do	do	84.20	11.30			
6	O. J. Gaver	do	do	84.20	5.50			
6	Wm. O'Neal	do	do	84.20	4.90			
6	John McDade	do	do	84.20	2.90			
6	Carroll Ensor	do	do	84.20				
6	J. N. Foss <i>et al.</i>	Baltimore County	28 animals			\$616.75		
6	do	do	70 animals			\$1,291.91		
6	Daniel Dorfman	Baltimore City	3 animals			75.24		
7	S. A. Mitchell	Deputy	Salary and expenses, July	84.20	4.96			
7	Daniel Keller	do	do	101.10	96.22			
7	Wm. S. Brooke	Appraiser	do	101.10	11.37			
9	J. F. Shipley	Clerk	Salary for July	84.20				
9	G. C. Faville	do	Salary and expenses, July	290.00	103.28	9.14		
9	W. E. Zimmerman	Appraiser	do	101.10	44.52			
9	Wm. S. Devoe	do	Salary and expenses, July 20 to 21	16.00	10.30			



Expended from the appropriation for 1888-'89, by States—Continued.

MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Sept. 6	Wm. K. Boyle & Son.....	Baltimore	Record books, etc.			\$42.50		
6	C. J. Stewart & Sons.....	do	Sundries, Sept.			5.25		
6	P. F. Flannery.....	do	Rm. storage-room			4.00		
6	Alex. Yearley & Son.....	do	Office rent.....			12.50		
6	Wm. E. Zimmerman.....	do	Line.....			22.80		
6	Geo. Ortel <i>et al</i> .....	Baltimore County	8 animals				\$250.10	
7	do.....	do	Salary for Aug. 27 to 31	\$40.00				\$104.90
7	W. H. Wray.....	do	Expenses, July 5 and 12 and Aug. 1		\$7.00			
8	D. E. Salmon.....	do	Salary and expenses, Aug.	270.00	62.61	1.39		
11	Geo. C. Faville.....	do	Salary and expenses, Aug.	8.00	6.50			
15	W. S. Devoe.....	do	1 animal					8.00
19	O. A. Myers.....	Baltimore County	Expenses, July and Aug.			16.75		
22	Geo. C. Faville.....	do	55 animals					1,153.84
25	Mary Clay.....	Baltimore County	5 animals				132.80	
25	do.....	do	1 animal					15.00
25	Anne Lacey.....	do						
			Total for month.....	\$7,009.10				
Oct. 1	Hoole Manufacturing Co.....	New York	Tags.....	4,326.64	972.63	105.19	382.90	1,281.74
1	John J. Thomson.....	Baltimore	Line, etc.			35.00		
3	A. D. Melvin.....	do	Salary and expenses, Sept.	163.00	58.50	73.50		
3	W. H. Martenet.....	do	do	130.40	53.50			
3	W. H. Wray.....	do	Salary for Sept., 22 days.	176.00				
3	Daniel Keller.....	Deputy	Salary and expenses, Sept.	97.80	54.50			
3	Wm. E. Zimmerman.....	Appraiser	do	97.80	18.05			
4	J. E. Trull.....	Clerk	Salary for Sept.	114.20				
4	L. L. Ball.....	Deputy	do	81.60				
4	L. G. Hubble.....	do	do	81.60				
4	Carroll Ensor.....	do	do	81.60				
4	Wm. O'Neal.....	do	do	81.60				
4	C. C. Prather.....	do	do	81.60				
4	J. B. Hampshire.....	do	do	81.60				
4	Fred. Faville.....	Clerk	do	81.60				
4	V. F. Collier.....	Deputy	do	81.60				
4	J. F. Shipley.....	do	do	81.60				
4	James Boyd.....	do	do	81.60				
4	Geo. C. Faville.....	do	do	230.00	53.95	.65		
4	Thos. B. Gatch.....	do	Salary and expenses, Sept.	81.60	30.00			
5	F. W. Patterson.....	Deputy	do	114.20	6.50			
6	G. G. Latchford.....	Deputy	Salary for Sept., 27 days.	73.37				





*Expended from the appropriation for 1888-'89, by States—Continued.*  
 MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Nov.	E. C. Schroeder	Deputy	Salary and expenses, Oct.	\$101.10	\$50.00			
3	S. A. Mitchell	do	do	84.20	30.00			
3	Thos. B. Gatch	do	do	84.20	30.00			
3	John F. Davis	do	do	84.20	30.00			
3	L. G. Hubble	do	Salary for Oct.	84.20				
3	T. Alex. Seth	do	do	84.20				
3	V. F. Collier	do	do	84.20				
3	J. F. Shipley	do	do	84.20				
3	David Riley	do	do	84.20				
3	J. B. Hampsher	do	do	84.20				
3	Fred. Faville	Clerk	do	84.20				
3	Carroll Ensor	Deputy	do	84.20				
3	Wm. O'Neal	do	do	84.20				
3	G. G. Latchford	do	do	84.20				
3	G. C. Faville	do	do	270.00	68.25	\$0.69		
5	C. K. Dyer	do	do	134.80	52.50			
5	W. H. Wray	do	Salary for Oct., 23 days	184.00				
5	F. W. Patterson	do	Salary and expenses, Oct.	117.90	49.30			
5	Daniel Keller	Deputy	do	101.10	54.50			
5	Wm. Hardey	do	do	84.20	2.10			
5	D. R. Hoffman	do	do	101.10	50.00			
5	C. G. Prather	Deputy	Salary for Oct.	84.20				
5	Ias. Boyd	do	do	84.20				
5	Thos. A. Poulton	do	do	84.20				
5	G. C. Faville	do	Expenses for Oct.			34.89		
6	L. A. McDaniel	Deputy	Salary and expenses, Oct.	84.20	38.10			
6	C. R. Perdue	do	do	84.20	10.85			
7	I. L. Ball	Clerk	Salary for Oct.	84.20				
8	O. J. Gaver	Deputy	Salary and expenses, Oct.	84.20	8.10			
8	John McDade	do	do	84.20	5.50			
10	John D. Schmidt	Baltimore County	2 animals				\$43.00	\$865.70
10	do	do	35 animals					15.00
10	H. R. Gantt	Anne Arundel County	1 animal					
13	A. W. Clement	Baltimore	Salary and expenses, Oct.	168.50	58.40			
13	Wm. K. Boyle & Son	do	Book, etc.					
13	Hoole Manufacturing Co.	New York	Tags			35.00		
13	C. J. Stewart & Sons	Baltimore	Hog-rings, etc.			17.50		
13	Alex. Yearley & Son	do	Office rent			13.55		
13	John J. Thomsen	do	Chloride of lime			12.50		
13	W. E. Zimmerman	do	Lime			10.30		
13	P. F. Flannery	do	Rent, store-room			6.00		
13						2.00		

16	John McDade	Deputy	Salary and expenses, Nov. 1 to 15	40.76	2.10	
16	O. J. Gaver	do	do	40.76	2.00	
16	Wm. Wade	do	Salary for Oct.	84.20		
16	Wm. O'Neal	do	Salary for Nov. 1 to 15	40.76		
16	T. A. Poulton	do	do	40.76		
16	J. B. Hampsher	do	do	40.76		
16	Wm. Hardey	do	do	40.76		
16	C. C. Frather	do	do	40.76		
16	Wm. K. Boyle & Son	Baltimore	Record-book		20.00	
19	Wm. Wade	Deputy	Salary for Nov. 1 to 15	40.76		
21	D. Sheehan	Baltimore County	12 animals			431.94
21	D. Sheehan <i>et al.</i>	do	11 animals			466.38
21	Henry Xienger	Baltimore City	1 animal			8.00
22	J. F. Shipley	Howard County	2 animals			40.00
23	A. M. Hawkins	Baltimore County	1 animal			15.00
			Total for month	4,601.18	896.37	1,410.08
			Grand total	18,027.94	4,031.28	8,597.15

## TEXAS.

1888. Sept. 22	Geo. S. Williamson		Salary and expenses, July	151.60	10.25	
25	do		Salary and expenses, Aug.	151.60	82.20	
			Total for month	303.20	92.45	
Oct. 23	do		Salary and expenses, Sept.	146.80	66.75	
	do		Salary for Oct. and expenses Sept.	151.60	45.00	
Nov. 10	Transportation orders.					
	Geo. S. Williamson	San Antonio to Saint Louis			27.95	
	do	Saint Louis to San Antonio			27.75	
			Grand total	601.60	259.90	



*Expended from the appropriation for 1888-'89—Continued.*  
INVESTIGATIONS.

Date.	Name.	Remarks.	For what paid.	For scien- tific inves- tigations.	For collecting informa- tion.	For inves- tigation of reported diseases.
1888.						
July 20	F. L. Kilborne	Investigating Texas fever, Indiana.	Expenses, July 12 to 17.	\$27.72		\$51.20
21	W. E. Mundell	For laboratory	Salary, July 1 to 17	68.80		
21	Ernest Kibel		Instruments	12.00		
30	William H. Stryker.		Salary for July, 8 days	9.78		
31	C. S. Myers		Salary for July 26 to 31	151.00		
31	Theobald Smith		Salary for July	134.80		
31	Cooper Curtice		do	101.10		
31	V. A. Moore		do	60.60		
31	William Alexander.		do	55.60		
31	M. N. Barnard		do	24.46		
31	William R. Scholl.		Salary for July, 15 days	134.80		
31	F. L. Kilborne		Salary for July			
			Total for month	780.96		51.20
Aug. 1	H. J. Ruppert.	For experimental station	Rent for July	41.66		
3	John Bell	do	Pig	3.00		
4	A. S. Johnson	For laboratory	Refrigerator pails	14.00		
8	H. M. Taylor		Salary for July		\$260.00	
9	F. L. Kilborne	For experimental station	Sundries	44.37		
17	W. H. Wray	Investigating diseases, Virginia and Indiana.	Salary for Aug. 10 to 11, and 17			24.00
18	George W. Rust	For laboratory	Salary for July		151.60	
20	L. H. Hopkins		Sundries	8.40		
23	R. M. Bell		Salary and expenses, July		207.05	
29	Wilson-Hood-Cheyney Company	For laboratory	Lenses	95.37		
29	The Eastman Dry Plate and Film Co.	do	Photographic kits	4.90		
29	do	do	Sundries	115.90		
30	Presch Manufacturing Company	do	do	33.50		
31	E. W. Perry		Salary, July, 22 days		176.00	
31	Theobald Smith		Salary for Aug	151.00		
31	Cooper Curtice		do	134.80		
31	V. A. Moore		do	101.10		
31	William Alexander.		do	60.60		
31	Mary N. Barnard		do	55.60		
31	F. L. Kilborne		do	134.80		
31	C. S. Myers		do	50.50		
			Total for month	1,050.10	794.65	24.00



*Expended from the appropriation for 1888-'89—Continued.*  
INVESTIGATIONS—Continued.

Date.	Name.	Remarks.	For what paid.	For scientific investigations.	For collecting information.	For investigation of reported diseases.
1888.						
Oct. 31	V. A. Moore.....	.....	Salary for Oct.....	\$101.10	.....	.....
31	William Alexander.....	.....	do.....	60.60	.....	.....
31	M. N. Barnard.....	.....	do.....	55.60	.....	.....
31	F. L. Kilborne.....	.....	do.....	134.80	.....	.....
31	C. S. Meyers.....	.....	do.....	50.50	.....	.....
31	Gayton A. Douglas & Co.....	.....	Sundries.....	21.25	.....	.....
31	W. J. Althaus.....	.....	Photographic plates.....	33.75	.....	.....
30			Total for month.....	1,172.54	\$671.03	\$199.67
Nov. 1	Theobald Smith.....	For laboratory.....	Sundries.....	4.72	.....	.....
1	do.....	Investigating disease, Maryland.....	Expenses, Sept. 10 and Oct. 17.....	4.90	.....	.....
1	H. M. Taylor.....	.....	Expenses for Oct.....	96.38	.....	.....
1	H. J. Ruppert.....	.....	Rent for Oct.....	41.66	.....	.....
1	H. M. Taylor.....	For experimental station.....	Expenses for Sept.....	.....	82.75	.....
5	do.....	.....	Salary for Oct.....	32.30	270.00	.....
5	F. L. Kilborne.....	Investigating disease, Maryland.....	Expenses, Oct 8 to 11 and 17 to 18.....	24.85	.....	.....
6	do.....	For experimental station.....	Sundries.....	20.83	.....	.....
6	do.....	For laboratory.....	Lumber.....	.....	201.07	.....
8	Church & Stephenson.....	.....	Salary and expenses, Oct.....	.....	10.01	.....
16	R. M. Bell.....	.....	Expenses, Aug., Sept., and Nov.....	22.00	.....	6.00
16	do.....	.....	Lens.....	.....	.....	.....
16	Wilson-Hood-Cheyney Co. (limited).....	For laboratory.....	Expenses, Sept. 20 and 21.....	73.64	.....	.....
16	Bower Talbot.....	Investigating disease, Minnesota.....	Feed.....	77.97	.....	.....
16	William M. Galt & Co.....	For experimental station.....	Sundries.....	18.00	.....	.....
16	Z. D. Gilman.....	For laboratory.....	Ice-chest.....	13.00	.....	.....
16	M. W. Baveridge.....	do.....	Guinea pigs.....	37.04	.....	.....
16	L. Schmid.....	For experimental station.....	Hay.....	34.00	.....	.....
19	W. H. Lee.....	do.....	Pigs.....	15.00	.....	.....
21	Bullen & McKeever.....	do.....	Revolver, etc.....	15.00	.....	.....
21	D. N. Walford.....	do.....	Guinea pigs.....	146.80	.....	.....
21	L. Schmid & Sons.....	do.....	Salary for Nov.....	130.40	.....	.....
30	Theobald Smith.....	.....	do.....	130.40	.....	.....
30	Cooper Cartice.....	.....	do.....	97.80	.....	.....
30	F. L. Kilborne.....	.....	do.....	58.80	.....	.....
30	V. A. Moore.....	.....	do.....	53.80	.....	.....
30	William Alexander.....	.....	do.....	49.00	.....	.....
30	M. N. Barnard.....	.....	do.....	.....	.....	.....
30	C. S. Meyers.....	.....	do.....	.....	.....	.....
30	W. H. Bowman.....	For experimental station.....	Carpenter, Nov., 17½ days.....	52.50	.....	.....



30	William Halley.....	For laboratory.....	Carpenter, Nov. 20, 21, 22.....	9.00	660.21	6.00
	<i>Transportation orders.</i>		Total for month.....	1,165.41		
	R. M. Bell.....	Chicago to Denver.....			30.65	
	do.....	Lincoln, Nchr., to Chicago.....			14.40	
	do.....	Denver to Lincoln.....			7.00	
	do.....	do.....			1.26	
	do.....	do.....			1.48	
	do.....	Denver to Boulder, Colo.....			1.30	
		Total.....			56.03	
		Grand total.....		5,308.92	2,698.17	452.52

Expended from the appropriation for 1888-'89—Continued.

WASHINGTON AND MISCELLANEOUS.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1888.						
July 10	The Tribune Association	New York	Subscription			\$1.00
10	Orange Judd Company	American Agriculturist	do			1.00
10	M. J. Lawrence & Brother	Ohio Farmer	do			1.00
10	Gore, Janney & Co.	Breeders' Gazette.	Cabinet secretary			87.00
10	J. H. Sanders Publishing Company	Cincinnati	Subscription			3.00
12	Enquirer Company	Chicago	do			1.15
12	The Tribune Company	Chicago	do			10.00
12	Rural New-Yorker	Northwestern Live Stock Journal	do			2.00
14	A. S. Mercer	do	do			2.15
16	The Stock Journal Company	do	do			1.50
16	Prairie Farmer Publishing Company	do	do			1.50
16	Milton George	Western Rural	do			1.00
16	The Sun	New York	do			1.00
16	Commercial Gazette Company	Cincinnati	do			1.25
16	Hannibal H. Chandler & Co.	Farmers' Review	do			1.00
19	Kansas City Times Newspaper Co.	do	do			2.50
23	Edward H. Phelps	New England Homestead and Farm and Home	do			
24	W. B. Moses & Son	do	Office furniture			160.50
24	The New York Times	do	Subscription			1.00
30	John C. Parker	do	Stationery			5.73
31	D. E. Salmon	do	Salary for July	\$252.70		
31	Miles Fuller	do	do	126.40		
31	A. M. Farrington	do	do	189.50		
31	W. J. Cowling	do	do	151.60		
31	P. L. Lyles	do	do	134.80		
31	Robert S. Forbes	do	do	117.90		
31	E. B. Jones	do	do	117.90		
31	Mary Sullivan	do	do	84.20		
31	M. T. Dent	do	do	75.80		
31	S. A. Benter	do	Salary for July, 25 days	57.07		
31	R. P. Logan	do	Salary for July	60.60		
31	M. G. Marshall	do	do	55.60		
			Total for month	1,424.07		288.28
Aug. 3	Herman Baumgarten	do	Stamp and die			10.50
4	William K. Boyle & Son	do	Book and forms			22.00
8	C. N. O. St. and S. W. Ry. Co.	do	Street-car tickets			12.50
20	B. Westermann & Co.	do	Books			14.50
20	Western Union Telegraph Company	do	Charges			15.07

23	John C. Parker	Stationery			34.15
23	do	do			9.55
30	W. B. Moses & Son	Office furniture			13.09
30	United Lines Telegraph Company	Charges			1.35
31	Miles Fuller	Salary for Aug	252.70		
31	A. M. Farrington	do	126.40		
31	W. J. Cowing	do	189.50		
31	P. L. Lyles	do	151.00		
31	Robert S. Forbes	do	134.80		
31	E. B. Jones	do	117.90		
31	Mary Sullivan	do	117.90		
31	M. T. Dent	do	84.20		
31	S. A. Beuter	do	75.80		
31	R. P. Logan	do	60.60		
31	M. G. Marshall	do	55.60		
	Total for month		1,437.80		132.62
	Charges				8.45
	Salary and expenses, Aug		134.80	\$16.00	
	Letter-book case				45.00
	Charges				16.46
	Salary for Sept		244.60		
	do		122.20		
	do		183.30		
	do		146.80		
	do		130.40		
	do		114.20		
	do		114.20		
	do		81.00		
	do		73.40		
	do		68.40		
	do		58.80		
	do		53.80		
	Total for month		1,526.50	16.00	69.91
	Exchange rental, July to Sept				15.25
	Books				21.71
	Freight				2.20
	Charges				21.21
	Salary for Oct		252.70		
	do		126.40		
	do		189.50		
	do		151.60		
	do		134.80		
	do		117.90		
	do		117.90		
	do		84.20		
	do		75.80		
Sept. 13	Adams Express Company				
19	A. S. Mercer				
25	Gore, Janney & Co				
26	Western Union Telegraph Company				
29	D. E. Salmon				
29	Miles Fuller				
29	A. M. Farrington				
29	W. J. Cowing				
29	P. L. Lyles				
29	R. S. Forbes				
29	E. B. Jones				
29	Mary Sullivan				
29	Mary T. Dent				
29	S. A. Beuter				
29	R. P. Logan				
29	M. G. Marshall				
Oct. 4	Chesapeake and Potomac Telephone Company				
23	B. Westermann & Co.				
23	Hensel, Bruckmann & Lorbacher				
23	Western Union Telegraph Company				
31	D. E. Salmon				
31	Miles Fuller				
31	A. M. Farrington				
31	W. J. Cowing				
31	P. L. Lyles				
31	Robt. S. Forbes				
31	E. B. Jones				
31	Mary Sullivan				
31	Mary T. Dent				



*Expended from the appropriation for 1888-'89—Continued.*  
WASHINGTON AND MISCELLANEOUS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1888.						
Oct. 31	S. A. Beuter.....		Salary for Oct.....	\$70.80		
31	R. P. Logan.....		do.....	60.60		
31	M. G. Marshall.....		do.....	53.60		
			Total for month.....	\$1,498.17		\$60.37
Nov. 5	J. C. Parker.....		Stationery.....			.75
12	The Lawyer's Co-operative Publish- ing Company.....		Digest, volumes 1 and 2.....			8.00
14	Lansburgh & Bros.....		Cotton bats.....			1.25
14	W. J. Beal.....		Books.....			2.50
14	J. Karr.....		Clock.....		\$41.75	9.00
16	D. E. Salmon.....		Expenses, Aug 17 to 22.....			73.80
20	The Brooklyn Daily Eagle.....		Advertising, July 7 to Nov. 10.....			29.05
20	The Flushing Journal.....		Advertising, July 7 to Nov. 17.....			8.27
20	Western Union Telegraph Company.....		Charges, Oct.....			8.00
20	J. C. Parker.....		Books.....			320.00
23	New York Times.....		Advertising, July 5 to Nov. 15.....			252.00
23	Yonkers Gazette.....		Advertising, July 5 to Nov. 17.....			160.00
24	New York Herald.....		do.....			160.00
27	Jersey City Argus.....		do.....			
27	do.....		Advertising, Feb. 18 to June 30.....	244.60		
30	D. E. Salmon.....		Advertising, July 7 to Nov. 17.....	122.28		
30	Miles Fuller.....		Salary for Nov.....	183.50		
30	A. M. Farrington.....		do.....	146.80		
30	W. J. Cowing.....		do.....	130.40		
30	P. L. Lyles.....		do.....	114.20		
30	Robt. S. Forbes.....		do.....	114.20		
30	E. B. Jones.....		do.....	81.60		
30	Mary Sullivan.....		do.....	73.40		
30	M. T. Dent.....		do.....	68.40		
30	S. A. Beuter.....		do.....	58.80		
30	R. P. Logan.....		do.....	53.80		
30	M. G. Marshall.....		do.....			
			Total for month.....	\$2,493.42		
			Grand total.....	\$8,886.77		
				1,391.90	41.75	1,059.77
				7,218.07	57.75	1,610.95